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**PLATT'S**  
**SEED**  
**ANNUAL**  
**1921**

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U. S. DEPT. OF AGRICULTURE



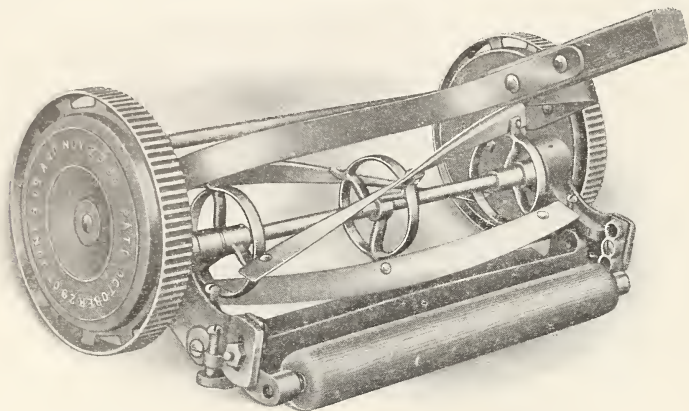
**BIG BOSTON LETTUCE**



# BALL BEARING **MONEYBACK LAWN MOWERS** PARALLEL BEARING

## SHEAR CUT AND SELF ADJUSTING

These well-known mowers are high in quality and more moderate in price than the prevailing conditions warrant. Simplicity is the reason for the great success enjoyed by this machine. Now, of all times, least number of parts to pay high prices for materials and making. Delivered free to any freight station in Connecticut on receipt of price.



### Style A.

Seven-inch Traction Wheels.  
Three Revolving Knives.  
Parallel Bearings.

14-inch cut ..... \$9.00 each

### Style B.

Eight-inch Traction Wheels.  
Three Revolving Knives.  
Parallel Bearings.

14-inch cut ..... \$10.50 each

16-inch cut ..... 11.00 each

### STYLE B LAWN MOWER.

### Style D.

Nine-inch Traction Wheels.  
Four Revolving Knives.  
Ball Bearings.

14-inch cut ..... \$13.50 each

16-inch cut ..... 14.00 each

18-inch cut ..... 14.50 each

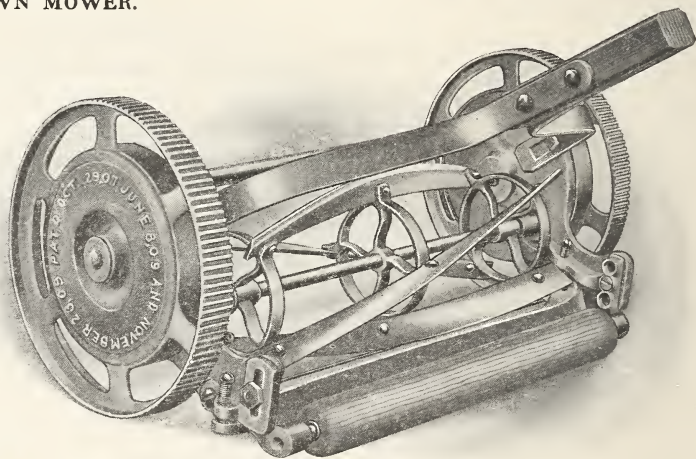
### Style E.

Ten-inch Traction Wheels.  
Four Revolving Knives.  
Ball Bearings.

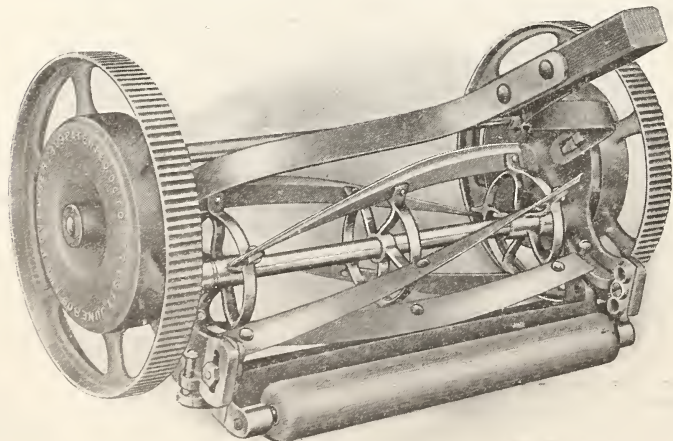
16-inch cut ..... \$15.00 each

18-inch cut ..... 16.00 each

20-inch cut ..... 17.00 each



### STYLE E LAWN MOWER.



### Style F.

Eleven-inch Traction Wheels.  
Five Revolving Knives.  
Ball Bearings.

18-inch cut ..... \$19.00 each

20-inch cut ..... 20.25 each

### LAWN ROLLERS

See page 79.



# The Frank S. Platt Co.

Established 1877

## 1921 Farm, Garden and Flower SEEDS 1921

GARDEN TOOLS    FERTILIZERS    SPRAYING MATERIALS    PUMPS

THE 1921 edition of our annual Seed Catalogue of Agricultural, Poultry and Bee Supplies affords us an opportunity to thank our many friends for the confidence and patronage, covering a period of more than two score years. Such loyalty is truly an inspiration to set a high mark for our standard and continue the work to make our best better. It is our purpose to add to the wealth of the community—not to detract. Seeds are cheap or expensive, as measured by their ability to produce profitable crops, and not per cost of pound or bushel. Our efficient laboratory service enables us to determine their viability; and field inspection of the growing crops minimizes the possibility for error or disappointment.

The Fall, or Bulb list, will be issued about September 1st.

We Make a Specialty of GRASS SEED MIXTURES, Including  
Edgewood Park Lawn    Fine Lawn    Shady Lawn    Evergreen Lawn  
ALSO FOR HAY AND PASTURE

### OUR POULTRY SUPPLIES

We are printing the annual list in conjunction with the Seed Catalogue, and pages 80 to 90 offer a comprehensive introductory to this special feature.

The name "PLATCO" applied to our special formulas represents the superlative. In feed it signifies purity, sound, clean, sweet grain. We do not employ adulterants or by-products, screenings, salvaged stock, or musty and damaged matter. *QUALITY* and the *BEST* spells it another way.

### SPECIAL NOTICE TO MARKET GARDENERS

We sell to Market Gardeners, Truckers and Farmers' Clubs at special wholesale rates, and solicit your inquiries for close prices on round lots.

### PARCEL POST SHIPMENTS.

The prices in this catalogue are net, and do not include postage, except on vegetable and flower seeds by the packet, ounce or quarter-pound. This is because small parcels of seeds, plants or bulbs (8 ounces or less) are mailable at one cent for each two ounces or fraction thereof, regardless of distance. Larger amounts according to zone rates (see table below). When allowing for postage make allowance for packing, as one pound packed ready to mail weighs more than one pound and counts as two pounds according to postal rules, which state "a fraction of a pound being computed as a full pound."

### EXPRESS SHIPMENTS.

There is a special express rate on seeds of 25 per cent less than the regular rates. Express is more desirable in most cases for packages weighing 20 pounds or more, according to local conditions. Liquids and poisons should be ordered sent by express or freight, as poisons are not mailable.

### FREIGHT SHIPMENTS.

Should be used when possible on heavy goods. The saving will be considerable. Order early and allow plenty of time.

### TERMS CASH WITH ORDER.

Accounts cannot be opened for small amounts. Persons wishing to open accounts must furnish satisfactory references, and allow time for investigation before shipment can be made.

### BAGS.

As a rule seeds are best shipped in strong cotton sacks, holding up to two and one-half bushels each, and must be charged for at market price; present charge, 50 cents each. Burlap bags, 20c. each, are unsuitable for grass and other fine seeds.

### WRITE ADDRESS PLAINLY.

Write your Name, Post-Office and State plainly and in full on every letter. When Express or Freight Office is different from Post Office, advise us of the same.

### SEEDS, ETC., BY WEIGHT OR MEASURE.

Quarter-pound and one-quarter-bushel will be charged at slight advance above pound and bushel rates—5 pounds at the 10-pound rate; 25 pounds at the 100-pound rate. Prices subject to market and changes without notice.

### PARCEL POST ZONE RATES WITHIN THE UNITED STATES.

	First Pound or Fraction.	Each Additional Pound or Fraction.
First Zone, up to 50 miles from New Haven.....	\$0.05	\$0.01
Second Zone, up to 150 miles from New Haven.....	.05	.01
Third Zone, up to 300 miles from New Haven.....	.06	.02
Fourth Zone, up to 600 miles from New Haven.....	.07	.04
Fifth Zone, up to 1,000 miles from New Haven.....	.08	.06
Sixth Zone, up to 1,400 miles from New Haven.....	.09	.08
Seventh Zone, up to 1,800 miles from New Haven.....	.11	.10
Eighth Zone, all over 1,800 miles from New Haven.....	.12	.12

**ABOUT WARRANTING SEEDS.** We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any Seeds, Bulbs or Plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

## THE FRANK S. PLATT COMPANY

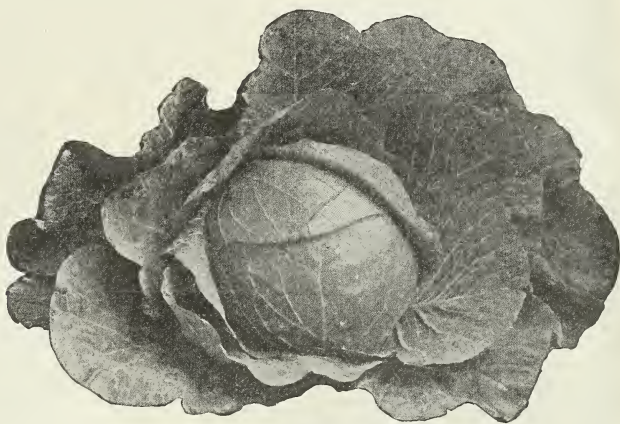
448 - 452 STATE STREET :: NEW HAVEN, CONNECTICUT



# MERIT LIST

## Fordhook Bush Lima.

The most popular lima of all, especially with the market gardener. Sometimes called potato lima. Seed thick, oval, close together in the pod, which is  $4\frac{1}{2}$  inches long; thick and heavy. The crop is early, very productive and of finest quality. Limas are one of our specialties, and we take special pride in the quality of our stocks. Price per pkt., 15c.; per pt., 45c.; per qt., 85c.; 10 lbs., \$3.70; 100 lbs., \$32.00.



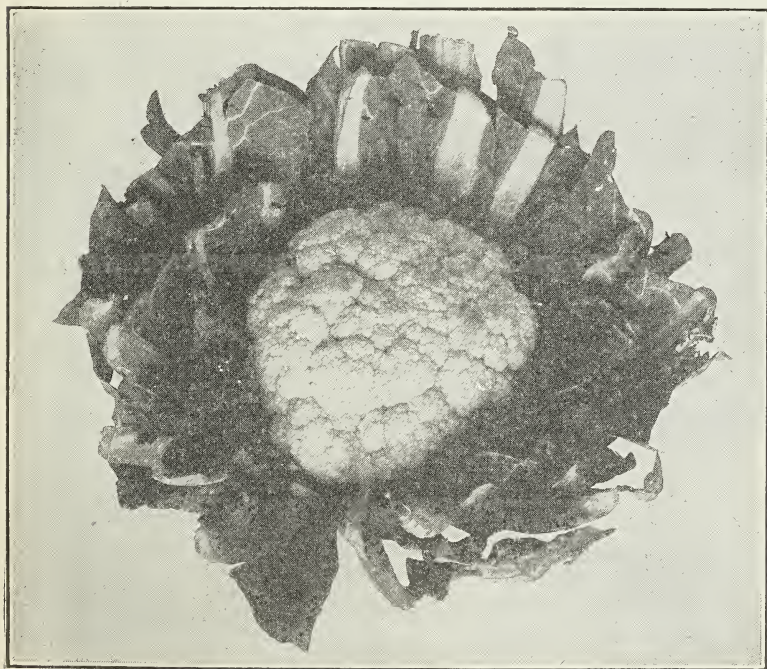
COPENHAGEN MARKET CABBAGE.

## Copenhagen Market Cabbage.

Copenhagen Market (the wonder in cabbage land), ten days earlier than Enkhusen Glory, and larger than the Winter Ball Head; very hard, solid and worm-proof. Short stems, matures with the Charleston Wakefield. For further description see general list. Price per pkt., 10c.; per oz., 60c.; per  $\frac{1}{4}$ -bu., \$1.60; per lb., \$6.00.

## Snowball Cauliflower.

No other variety has given such satisfaction. Our seed is grown in Denmark, and we believe there is none better. It is the earliest cauliflower, and the one cauliflower that is most certain to head when conditions are ordinarily favorable. Very dwarf, and of compact growth, with large, firm and beautiful snow white heads. It is equally as well adapted for forcing under glass during winter and spring as for culture in open ground. Price per pkt., 25c.; per oz., \$2.25; per  $\frac{1}{4}$ -lb., \$8.00.



SNOWBALL CAULIFLOWER.



## Early Fortune Cucumber.

This belongs to the white spine type, and is the best we have ever seen. It is early, productive, and blight resisting; remarkably uniform fruits about nine inches long, holding their fine dark green color long after picking; flesh firm, crisp, and few seeds. Owing to its blight-resisting qualities we believe is due the high percentage of perfect fruits. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 45c.; per lb., \$1.75.

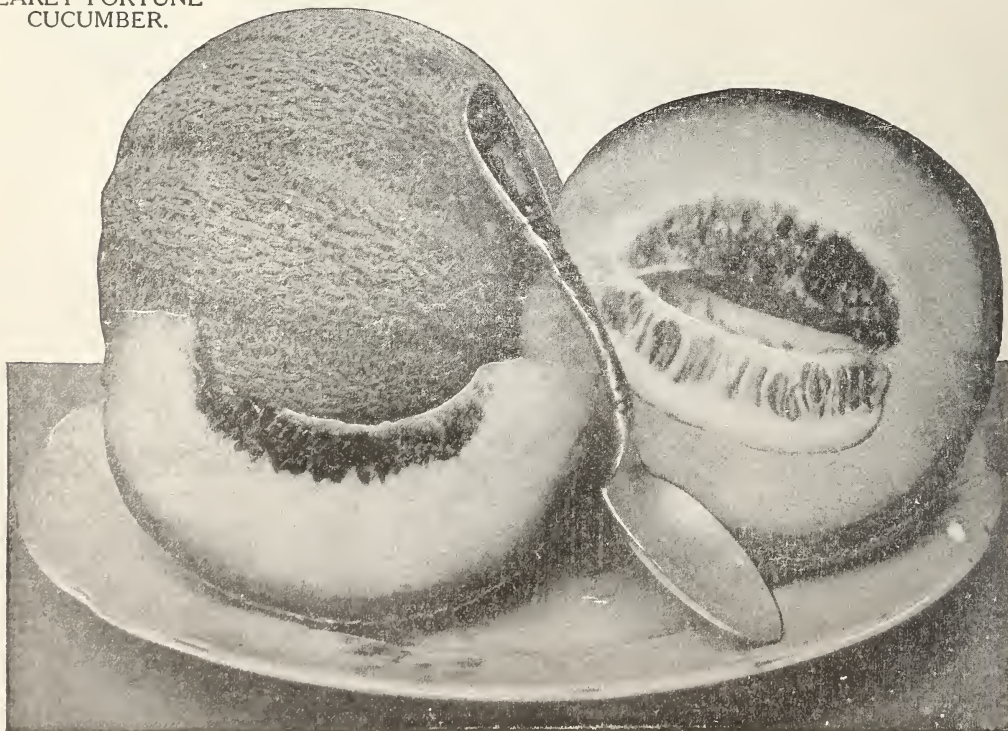
## Davis Perfect Cucumber.

We believe our stock of this favorite is the best obtainable, and under favorable field conditions the most handsome cucumber grown. Extra long, slender and dark green, almost identical with the greenhouse product. Equally good for forcing. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 45c.; per lb., \$1.75.

## Musk Melon, Pollock No. 25.

The result of long-continued work in the famous Rocky Ford Melon section to produce a salmon-flesh "Rocky Ford" highly rust resistant. In only five years' time it has gained in favor, until now it is more extensively grown in that section than any other. Color of meat is green one-half the depth from rind, the remaining half a rich salmon. The same features that made it so popular in Colorado are of even more importance to our growers in the east, where conditions are not so favorable. Price per pkt., 5c.; per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.

EARLY FORTUNE  
CUCUMBER.



MUSK MELON, POLLOCK No. 25.



**Ailsa Craig Onion.**

An English sort of the very largest, frequently five inches in diameter, weighing two pounds each. Skin straw color, flesh white, firm and mild. For exhibition sow in hot-bed and transplant. Per pkt., 5c.; per oz., 40c.;  $\frac{1}{4}$ -lb., \$1.25; lb., \$4.00.

**Platt's Golden Winter  
Ruta Baga.**

*THE YIELD IS ENORMOUS,  
exceeding all other table varieties.*



**T**HIS is a new type of the Long Island Spike, which it represents in color and leaf. It is, however, far superior in so many respects that the old types of Swedes and Ruta Bagas are out-classed, and but little called for by farmers who grow turnips for the winter and spring market. Our fancy grocery trade will have none other when this is available. In shape it is elongated, not shouldered heavily, and growing a little deeper in the ground than the old Ruta Baga. This characteristic, however, insures greater yield in bulk or weight per acre, and affords a better proportioned root for cooking. It is unquestionably the best. The top is but slightly tinged with purple, and the flesh is a deep rich yellow. It is exceptionally fine grained, free from coarse, hard, woody substances, very sweet and the most delicate flavored of its species. It is a fine keeper, having no superior. Like all roots of the turnip family, it attains its superlative qualities when sown on new land. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

*They may be sown  
from May first until  
the middle of July  
with reasonable cer-  
tainty of a good crop.*





### Platt's Evergreen Lawn Mixture.

This mixture is the finest in quality that we prepare for general situations. It is composed of a judicious combination of the short fine growing varieties that we have proved most valuable. It is perfectly adapted to the soil and climate of New Haven, as evidenced by the many beautiful lawns and parks that have been developed and seeded with "Platt's Evergreen Lawn Mixture" for more than a quarter of a century. Price per qt., 30c.; per  $\frac{1}{8}$ -bu., \$1.00; per  $\frac{1}{4}$ -bu., \$1.75; per bu., \$6.00.

### Rosen Rye.

Rye cross-breeds and differs from wheat, which will not cross-fertilize, if two or more kinds are grown together for years. To prevent hybridization it must be isolated from other rye.

The new Rosen rye is a large-headed variety which, when pure, has four full rows of grains. Farmers who have grown rye know that 15 to 20 bushels per acre is about what they can expect. Such farmers, who changed to the Rosen rye, are now getting 25 to 30 bushels, and 40 to 45 bushel yields are not very uncommon. Price per pk., 85c.; per bu., \$3.00. As price fluctuates with the grain market, write for price when ready to buy.

### Marquis Wheat.

Something entirely new and distinct. One of the best introductions in the grain line for many years. The Marquis Wheat was awarded the \$1,000 prize for the best wheat in America, at the great New York Land Exposition. It is the earliest of all and has a record yield of 46 bushels per acre. It is a cross between the Hard Red Calcutta wheat and the Red Fife. Kernels are dark red, hard and good size. Heads medium, smooth or bald. Price per  $\frac{1}{4}$ -bu., 85c.; per bu., \$3.00. As price is liable to change with market, write for price when ready to buy.

### Sudan Grass. A Forage Crop of Immense Value.

The Department of Agriculture reports that Sudan Grass will be of the greatest value in regions that are deficient in rainfall. Sudan Grass is strictly an annual, reaching a height of from 7 to 9 feet. All stock relish the hay and thrive on it. Yields of from two to four tons per acre are common. Sudan Grass should not be sown until the soil has become warm in the spring. It may be sown in rows 18 to 42 inches apart, and cultivated like corn; 4 to 6 lbs., drilled; or broadcast, 16 to 24 lbs. per acre are required. When cut for hay it is best just after full bloom, so that it will have as much time as possible for a second growth. Price per lb., 15c.



MARQUIS  
WHEAT.



ROSEN RYE.



# GENERAL LIST OF SELECT VEGETABLE SEEDS

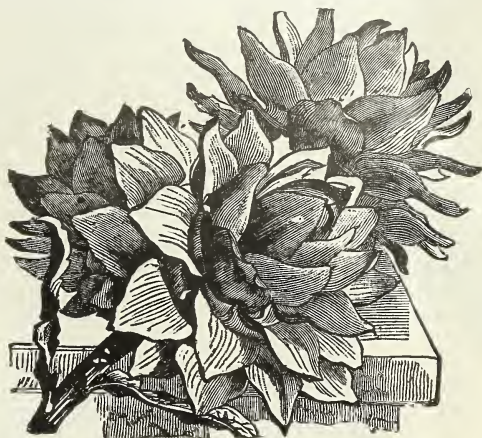
## Artichoke.

*Artichoke—Carciofo—Alcachofe.*

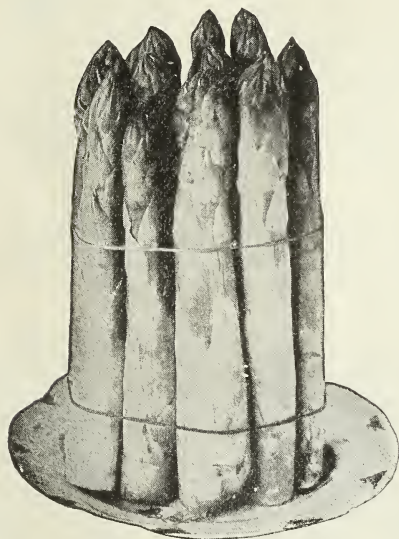
**Tuberous Rooted Artichoke.** Jerusalem Artichoke. This is quite distinct from the Globe Artichoke, being grown exclusively for its tubers; perfectly hardy. Price per lb., 10c.; per 3 lbs., 25c.; per pk., \$1.00; per bushel, \$3.50.

**Large French Globe.** The flower heads are the edible portions. Sow early and transplant the following spring in rows three feet apart, and two feet between the plants. It requires a deep, rich loam, and slight winter protection.

Perennial. Price per pkt., 10c.; per oz., 80c.



GLOBE ARTICHOKE.



ASPARAGUS.

**Conover's Colossal.** Large, early, green and very prolific. Price per pkt., 5c.; per oz., 10c.; per ¼-lb., 20c.; per lb., 70c.

**Columbian Mammoth White.** A large white variety maturing early. Price per pkt., 5c.; per oz., 10c.; per ¼-lb., 20c.; per lb., 70c.

## Asparagus Roots.

	Per 100.	Per 1000.
Conover's Colossal, 1-year old . . . .	\$ .75	\$6.00
Conover's Colossal, 2-years old . . . .	1.00	7.00
Palmetto, 2-years old . . . . .	1.00	7.00
Barr's Mammoth . . . . .	1.00	7.00
Columbia Mammoth White . . . . .	1.00	7.00

## Asparagus.

*Spergel—Esparrago—Asparago.*

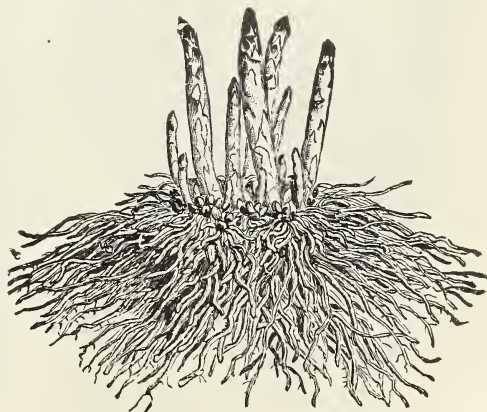
Sow early, in drills about one inch deep, and rows about a foot apart. In the fall or succeeding spring the plants may be set out in beds about two feet apart each way, leaving the crown of the root about four inches below the surface. Before winter cover the bed with a dressing of manure.

Purchasing roots instead of seeds will save a year in time.

**Giant Argenteuil.** French origin; very early; purple. Blanches readily. Price per pkt., 5c.; per oz., 10c.; per ¼-lb., 25c.; per lb., 85c.

**Bonvalettes' Giant.** Large, vigorous, early white or pale green, combining all the best qualities. Price per pkt., 5c.; per oz., 10c.; per ¼-lb., 25c.; per lb., 85c.

**Palmetto.** Very early, large and pale green. Price per pkt., 5c.; per oz., 10c.; per ¼-lb., 20c.; per lb., 70c.



ASPARAGUS ROOTS.

## Bush Beans.

*Bohnen—Frigoles—Faggioli.*

### DWARF OR SNAP.

A succession of sowing can be made from the first week in May until August. Plant in drills 1 to 3 inches deep and from eighteen inches to two feet apart, according to the richness of the soil. The plants should be about three inches apart.

### WAX PODDED VARIETIES.

**Crackerjack.** The earliest stringless wax podded bush bean, hardy, prolific and quality superlative. Very popular with truckers about New Haven. Price per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Pencil Pod Black Wax.** Pods are long, round, straight, and very tender. In color a rich dark yellow; one of the best black-seeded wax. Price per pt., 35c.; per qt., 60c.; 10 lbs., \$2.60; 100 lbs., \$22.50.

**Unrivalled Wax.** Pods  $4\frac{1}{2}$  to 5 inches long, nearly round, very early, of finest quality, good producer, suitable for either market or home garden. Price per pt., 35c.; per qt., 65c.; 10 lbs., \$2.70; 100 lbs., \$23.50.

**Hodson Wax.** Long, straight, light yellow pods, very late, quality fair. Price per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Currie's Rust Proof.** Very early and hardy. Pods are handsome, long, flat and straight; little string, seed black.



STRINGLESS GREEN POD.



CRACKERJACK WAX.

Price per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Wardwell's Kidney Wax.** Pods attractive, long, broad, flat, nearly stringless; medium early. Beans white, mottled with purple. Price per pt., 35c.; per qt., 60c.; 10 lbs., \$2.60; 100 lbs., \$22.50.

**Michigan White Wax.** A white-seeded golden wax, very desirable for either snap or shell, a feature heretofore unobtainable in a bean of high quality and productiveness. Pods  $4\frac{1}{2}$  to 5 inches long, broad, oval, meaty, stringless. One of the earliest. Price per pt., 35c.; per qt., 65c.; 10 lbs., \$2.70; 100 lbs., \$23.50.

**Improved Golden Wax.** Thick, broad pods, 4 to  $4\frac{1}{2}$  inches long, straight, seed mottled. Price per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Prolific Black Wax.** The pods,  $4\frac{1}{4}$  to  $4\frac{1}{2}$  inches long, are round, waxy yellow, stringless and remain in condition a long time. Price per pt., 35c.; per qt., 60c.; 10 lbs., \$2.60; 100 lbs., \$22.50.

### GREEN PODDED VARIETIES.

**Stringless Green Pod.** The pods are round, five inches long and brittle. Price per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Longfellow.** An extra early snap. Round, straight, fleshy pods. Price per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**Black Valentine.** Very hardy and productive. Extra early. Vigorous vine; pods straight and semi-round, not stringless. A large crop can be depended on. Price per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**Low's Champion.** Flat pods, usually five inches long; entirely stringless and very tender. Price per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Extra Early Refugee.** Round pods, four to five inches long, dark colored seed. Price per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**Extra Early Valentine.** Improved round pod Red Valentine. Price per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

Note—Not less than 5 pounds beans sold at the 10-pound rate, or 25 pounds at the 100-pound rate.



**Beans—Continued.**

Pkts. any variety Beans 15c. each, except where noted.

**Bountiful.** Seed yellow, broad, flat; pods  $6\frac{1}{2}$  to 7 inches long, stringless and tender; best of its class. Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**Early Long Yellow Six Weeks.** Long flat pods, seeds yellow. Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**Refugee or Thousand-to-one.** Late, round pod, good quality, almost stringless, dark seed. Per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Dwarf Horticultural.** Large round beans in fine mottled pods; used mostly as an early shell bean. Per pt., 30c.; per qt., 55c.; 10 lbs., \$2.50; 100 lbs., \$21.00.

**Large White Kidney or Royal Dwarf.** One of the best shell beans, green or ripe. Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

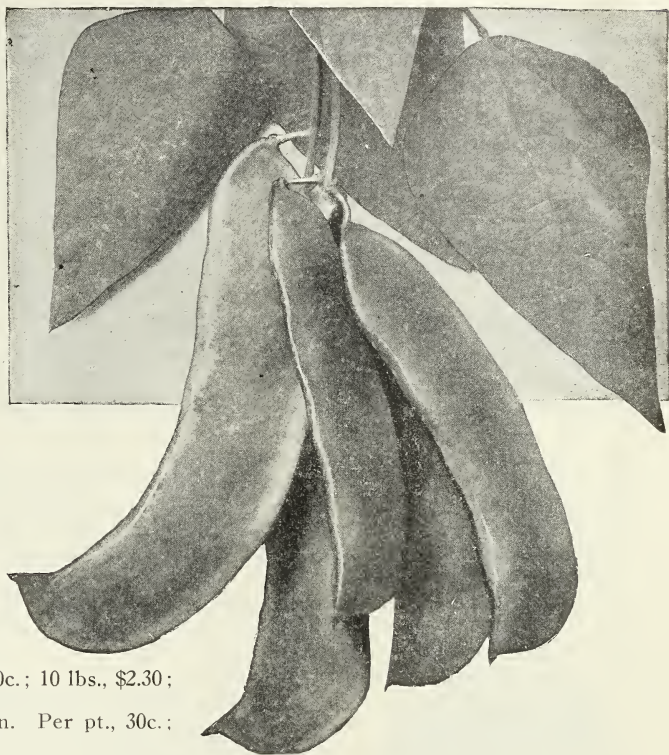
**Red Kidney or Chilian.** Generally cultivated as a field bean and used dry. (Bu., 58 lbs.) Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**Yellow Eye.** Generally grown as a field variety; very prolific and superior quality for boiling or baking. Per pt., 25c.; per qt., 45c.; 10 lbs., \$2.20; 100 lbs., \$18.00.

**White Marrow.** Best adapted to field culture and sale in dry state. Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**White Field or Medium.** A standard sort for field cultivation. Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.30; 100 lbs., \$19.00.

**White Pea or Navy.** Boston baking bean. Per pt., 30c.; per qt., 45c.; 10 lbs., \$2.20; 100 lbs., \$18.00.

**ENGLISH OR BROAD.**

**Broad Windsor.** A bush or stump variety; ripens unevenly, thus prolonging the season. Thrives best in good rich, rather damp soil. (Bu., 50 lbs.) Per pkt., 15c.; per pt., 35c.; per qt., 60c.

**Dwarf or Bush Lima.****BURPEE'S BUSH LIMA.**

**Burpee's Bush Lima.** Eighteen inches to two feet high. The original large-seeded bush lima. Seed flat, 3 to 4 in a pod. 4 to  $4\frac{1}{2}$  inches long. Per pt., 40c.; per qt., 75c.; 10 lbs., \$3.20; 100 lbs., \$27.00.

**Burpee's Improved Bush Lima.** A true bush lima; when fully grown about 24 inches high; pods borne abundantly 5 to 6 inches long by one and a quarter wide. Beans larger and much thicker than the old type and will outyield it by nearly a third; in season about one week earlier; quality fine. Per pt., 45c.; per qt., 85c.; 10 lbs., \$3.90; 100 lbs., \$33.50.

**Fordhook.** Bush. Very popular, especially with the market gardeners; sometimes called potato lima; seed thick, oval, close together in the pod, which is  $4\frac{1}{2}$  inches long, thick and heavy; early, productive, excellent quality. Per pt., 45c.; per qt., 85c.; 10 lbs., \$3.70; 100 lbs., \$32.00.

**Henderson's Bush Lima.** Small, flat-seeded. It is the earliest of the limas. Per pt., 35c.; per qt., 65c.; 10 lbs., \$2.80; 100 lbs., \$24.00.

**Wood's Prolific Bush.** Improved Henderson; larger; better yielder. Per pt., 35c.; qt., 65c.; 10 lbs., \$2.80; 100 lbs., \$24.00.



**Beans—Continued.**

Pkts. All Varieties Pole Beans 15c. each

**POLE OR RUNNING.**

They succeed best in sandy loam, which should be liberally enriched with thoroughly rotted manure in the hills, which are formed according to the variety, from three to four feet apart.

	Pt.	Qt.	10 lbs.	100 lbs.
<b>Platt's King of the Garden Lima.</b> Early and prolific; pods large and long, bearing four to seven beans .....	40c.	70c.	\$3.00	\$25.50
<b>Early Leviathan.</b> Earliest, large pod, containing 5 to 6 white beans .....	40c.	70c.	3.00	25.50
<b>Carpinteriar or Ideal.</b> Long, pods containing 4 to 6 green-tinted seeds of finest flavor .....	40c.	70c.	3.00	25.50
<b>Large White Lima.</b> Large seeded, broad flat pods .....	40c.	70c.	3.00	25.50
<b>Siebert's Early.</b> Pods 5 inches long, seed large, tender, slight greenish tinge; introduced in 1895 and still preferred by many on account of earliness and quality .....	40c.	70c.	3.00	25.50
<b>Small Lima or Sieva.</b> A small-seeded early variety, immensely productive, excellent also for dried shell beans; called butter beans in the south .....	40c.	70c.	3.00	25.50
<b>Scarlet Runner.</b> The beans are very dark; flowers bright scarlet; very ornamental; is also used as a snap of fine quality when young. Plants of strong, quick growth. (Bu., 50 lbs.) .....	35c.	60c.	2.50	21.00
<b>Dutch Case Knife.</b> Early and prolific, long, flat pods with white seeds; best as a green or dry shell bean .....	35c.	60c.	2.50	21.00
<b>Lazy Wife.</b> Pods four to five inches in length, rather broad, thick and fleshy, entirely stringless. The dry beans are round and pure white .....	45c.	85c.	3.70	32.00
<b>London Horticultural or Speckled Cranberry.</b> Pods stringless, striped with red, seeds oval, medium size; suitable for snap or shell .....	35c.	60c.	2.50	21.00
<b>Kentucky Wonder or Old Homestead.</b> Large green pods, 8 to 9 inches long, round, fleshy, stringless until nearly mature; one of the best green podded snaps; seeds light brown .....	35c.	60c.	2.50	21.00
<b>Burger's Green Pod.</b> White-seeded Kentucky Wonder .....	35c.	65c.	2.80	24.00

**Early Golden Cluster.** Pods from six to eight inches long; attractive, straight, fleshy, flat and stringless, golden yellow, seeds white .....

45c.	85c.	3.70	32.00
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**French Yard Long.** Curious looking pods, grow two to three feet long; requires support. Per pkt., 15c.

**Beets.***Runkle Rube—Remolacha—Bietoli.*

The beet is used in all stages of its growth. All the varieties succeed best on a deep, rich, sandy loam, and require to be thinned when small and kept free from weeds. For early beets sow as soon as the grounds will admit, in drills fourteen inches apart, and thin to four inches distant.

	Oz.	¼-lb.	Lb.
<b>Early Wonder.</b> A select strain of Crosby type..	15c.	35c.	\$1.25

<b>Dark Red Egyptian.</b> The earliest beet in cultivation; for forcing or transplanting; flat, very dark red; small tops .....	10c.	25c.	.90
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<b>Crosby's Egyptian.</b> An improved strain of the Egyptian Beet. A flattened globe in shape, deep red; fine for home or market bunching .....	15c.	35c.	1.25
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<b>Crimson Globe.</b> The flesh is fine grained, dark crimson, with skin of lighter shade .....	15c.	35c.	1.25
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<b>Detroit Dark Red.</b> Tops small; roots ovoid and smooth; color dark blood red; best for main crop .....	15c.	35c.	1.25
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<b>Eclipse.</b> Very early; dark red, small tops, almost spherical .....	10c.	25c.	.90
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<b>Bastian's Early Blood Turnip.</b> Light red, flesh alternating red and pink .....	10c.	25c.	.85
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<b>Edmand's Blood Turnip.</b> Deep blood skin, and very dark flesh; excellent keeper....	10c.	25c.	.90
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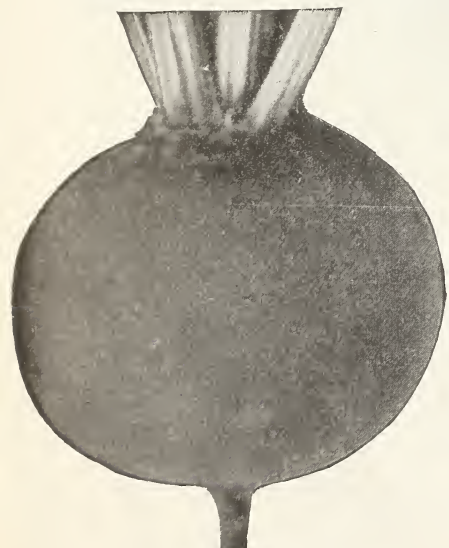
<b>Early Blood Turnip.</b> A good variety for general use .....	10c.	25c.	.90
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<b>Early Bassano.</b> Flesh circled with bright red and white, flat, large tops adapted for use as greens .....	10c.	25c.	.85
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<b>Dewing's Early Blood Turnip.</b> Deep blood red; good for summer, autumn or winter .....	10c.	25c.	.90
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<b>Early Yellow Turnip.</b> Flesh yellow .....	10c.	25c.	.90
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<b>Long Smooth Blood.</b> Late variety and good for winter use; smooth skin; flesh dark red .....	10c.	30c.	1.00
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**CROSBY'S EGYPTIAN BEET.**



Swiss Chard Beet.

**Mammoth Long Red.** Grows to an enormous size, producing 30 to 40 tons per acre of valuable food for stock; roots grow well above ground, therefore easy to harvest. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

**Giant Sludstrup.** An orange yellow sort, ovoid in shape, not the largest in bulk yield, but excels in amount of dry matter per acre yield. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

**Golden Tankard.** Half long, nearly uniform diameter from top to bottom. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 70c.

## Sugar Beets.

**White French Sugar.** For feeding or beet sugar, making one of the richest in sugar content. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

**Lane's Improved Imperial Sugar.** An American selection from the French Sugar Beet. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

**Klein Wauzeleben Sugar.** Long, medium size; color, rosy orange; very sweet. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

## Broccoli.

*Spargel Kohl—Brocoli—Broccoli.*

Broccoli is closely allied to cauliflower; succeeds only under cool, damp conditions. So thinly in seed beds about the middle of spring, transplant and cultivate according to directions for winter cabbage.

**Early White Cape.** The heads when full grown are large, white and compact. Price per pkt., 10c.; per oz., 40c.; per  $\frac{1}{4}$ -lb., \$1.25.

**Early Purple Cape.** Differs from the white in color only. Price per pkt., 10c.; per oz., 40c.

## Brussels Sprouts.

*Sprosen Kohl—Berza de Brussels. Broccoli di Carolo.*

The plants grow two or three feet high, and produce from the sides of the stalk numerous little sprouts one or two inches in diameter, resembling cabbages. The leaves look like the Savoy, and should be broken down in the fall, to give the little cabbages more room to grow.

**Dalkeith.** Dwarf, compact, producing large sprouts. Price per pkt., 10c.; per oz., 60c.; per  $\frac{1}{4}$ -lb., \$1.60; per lb., \$6.00



Brussels Sprouts.

## Swiss Chard or Spinach Beet.

This variety is cultivated for its leaves. The mid-rib is boiled and served like asparagus, and the other portions of the leaves are used as spinach. When wanted, cut close down to the ground, and new leaves will grow.

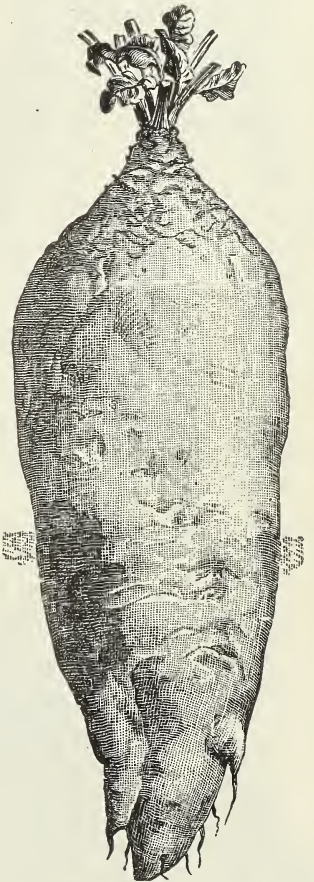
**Swiss Chard or Silver.** This is the smooth-leaved variety. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Swiss Chard Giant Lucullus.** Large leaf, much crumpled stalks and foliage heavy. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.10.

## Beets--Mangel Wurtzel.

**For Feeding Stock.**

**Red Globe.** A large, round, red-skinned variety. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.



Mammoth Long Red Mangel.



## Cabbage.

*Kopf Kohl—Berza de Repollo—Cappuccie.*

The Cabbage requires a deep, rich soil and thorough working. For early use the plants should be started in a hotbed or cold frame; but seed for winter cabbage should be sown in a seed bed for Connecticut the last of May and transplanted when 4 to 6 inches high. Some of the large late varieties seem to do well if the seed is sown in the hills where they are to remain, and in that case sow two or three seeds where each plant is desired, and then pull up all but the strongest. Plant the large varieties three feet apart; the small, early sorts from a foot to eighteen inches. The Savoy cabbages have wrinkled leaves, and are of fine flavor, especially after a little frost has touched them in the autumn.

**All Head Early.** A large, flat, early summer variety of fine quality, good keeper if sown late. Price per pkt., 10c.; per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Copenhagen Market.** (See Merit List). Exceptionally hard and solid, round heads; average eight pounds each, of fine quality, few outer leaves, small core and nearly as early as Jersey Wakefield, with greater yield, also desirable for fall and early winter use. Seed is grown for us in Denmark, and is as fine stock as we have ever seen. Price per pkt., 10c.; per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

**Early Jersey Wakefield.** Heads very solid, pyramidal, blunted at the top. The best and most popular early pointed head. Price per pkt., 10c.; per oz., 45c.; per ¼-lb., \$1.15; per lb., \$4.50.

**Charleston or Large Wakefield.** Similar to Early Jersey Wakefield, but larger and a little later. Price per pkt., 10c.; per oz., 40c.; per ¼-lb., \$1.15; per lb., \$4.50.

**All Season.** The heads of this cabbage are large and thick through, a desirable sort for kraut. Price per pkt., 10c.; per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Henderson's Early Summer.** Medium early, good size, of the Drumhead order. Price per pkt., 10c.; per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Surehead.** Large, thick, flattened heads of the flat Dutch type. Price per pkt., 10c.; per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Succession.** A large drumhead, sure heading sort for summer and fall use. Price per pkt., 10c.; per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Danish Ball Head.** Short stem. (Fine Danish-grown seed). Round, hard-headed. Late, the longest keeper and finest quality. Seed should be sown two weeks earlier than for Flat Dutch or most other late. Price per pkt., 10c.; per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

**Premium Flat Dutch.** Heads large, solid. A standard variety. Pkt., 10c.; oz., 35c.; ¼-lb., 90c.; lb., \$3.50.

**Large American Drumhead.** Large size, compact heads. Per pkt., 10c.; oz., 40c.; ¼-lb., \$1.10; lb., \$4.00.



**EARLY JERSEY WAKEFIELD.**



**COPENHAGEN MARKET CABBAGE.**

### SAVOY, OR CURLING VARIETIES.

**Perfection Drumhead Savoy.** Reliable, large, round, late heading, densely crumpled. The Savoy cabbage is richer and of finest quality, and should be more extensively grown. Take about same time to make crop as the Danish Ball Head. Price per pkt., 10c.; per oz., 35c.; per ¼-lb., 90c.; per lb., \$3.50.

### RED VARIETIES.

**Mammoth Rock Red.** Heads large, round and thick; very dark from surface to center. Sow seed same time as for Ball Head. Per pkt., 10c.; per oz., 45c.; per ¼-lb., \$1.20; per lb., \$4.50.

### CHINESE CABBAGE.

**Pe Tsai.** Sometimes called Chinese celery cabbage, though resembling more nearly the Cos Lettuce; used as a salad or cooked as cabbage. Sow seed about July 1 in this latitude, as if sown early it runs to seed. Transplant to 12 inches apart in the row. Per pkt., 10c.; oz., 40c.





DANVERS HALF-LONG.

**Danvers Half-Long.** The best known second early variety was originated by the gardeners of Danvers, Mass., and is the most popular with our trade, both private and market. Roots are usually six to eight inches long, tapering gently and ending with a blunt point. A good heavy yielder of fine quality and color. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Long Orange Improved.** Large size, tapering to a point of deep orange color, and adapted to garden or field culture. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

**White Giant, Green Top.** Used for feeding stock; one of the best because of its enormous productiveness. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

## Caroon.

*Kardon—Cardo—Cardone.*

Caroon is grown for the midrib of the leaf, and requires to be blanched in the same manner as celery. Sow early in the spring, where the plants are to remain, in drills about three feet apart, an inch and a half deep, and thin out the young plants to a foot apart in drills.

**Large Spanish.** Price per pkt., 10c.; per oz., 30c.; per lb., \$3.00.

## Carrots.

*Mochre—Zanahoria—Carote.*

The carrot, like other root crops, delights in a sandy loam, deeply tilled. For early crops sow in the spring, as soon as the ground is in good working order; for late crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart.

**French Forcing.** The earliest, fine flavor and color, small, almost round,  $2\frac{1}{2}$  inches long. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Early Scarlet Horn.** An early summer variety; color deep orange; roots grow about three inches long. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

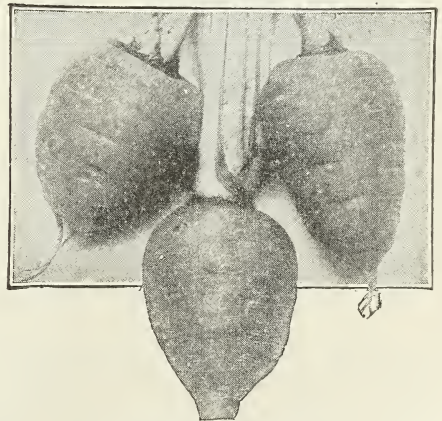
**Nantes.** Stump rooted, early, almost cylindrical, about six in. long by  $1\frac{1}{2}$  in. diameter. Flesh is deep orange, very tender and sweet, of finest quality. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Guerande or Oxheart.** Very large at the top, three to five inches long and terminating abruptly. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Chantenay or Model Half-long Scarlet.** Stump end variety, large shouldered and very productive. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.



Chantenay.



Guerande or Oxheart.

## Cauliflower.

*Blumen Kohl—Coliflor—Cavolfiore*

Should be sown according to instructions for cabbage. It will thrive best in cool, moist situations.

**Early Snowball.** The earliest sort for forcing and equally well adapted for late summer and fall crop. Very reliable heading, medium to large, very white and solid. Plants compact, with few short outside leaves. Our stocks are from the finest Danish-grown seed obtainable. Price per pkt., 25c.; per oz., \$2.25; per ¼-lb., \$8.00.

**Early Dwarf Erfurt.** Good for forcing. Very dwarf, pure white heads. Price per pkt., 20c.; per oz., \$2.00; per ¼-lb., \$7.00.

**Danish Giant.** (Large Leaved Snowball type). Large, white solid heads; keeps finely in warm weather, and only ten days later than Dwarf Erfurt. Price per pkt., 25c.; per oz., \$2.50; per ¼-lb., \$9.00.



SNOWBALL CAULIFLOWER.

## Celeriac or Turnip-Rooted Celery.



CELERIAC.

A variety of celery, having turnip-shaped roots which may be cooked, or sliced and used with vinegar, making a most excellent salad. It is more hardy, and may be treated in the same manner as celery.

	Pkt.	Oz.	Lb.
<b>Turnip-Rooted.</b> Turnip-shaped, sweet and well flavored .....	5c.	25c.	\$2.50
<b>Large Prague.</b> Nearly round, smooth and good quality .....	5c.	25c.	2.50

## Chervil.

*Gartenkerbel—Perifollo—Cerfaghio.*

Cultivated and used like parsley. The young leaves are used for flavoring. For summer use sow in March, and in July for winter.

**Curled.** Price per pkt., 5c.; per oz., 20c.; per lb., \$2.00.

## Chicory.

*Cichorten—Cicorea.*

The roots of this vegetable are much used as a substitute for coffee. The young leaves are also used for salad.

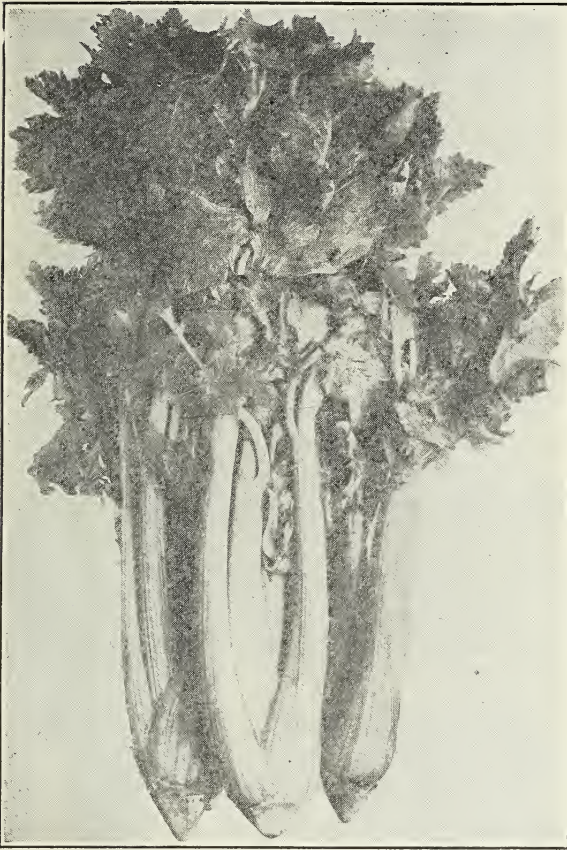
**Large Rooted or Coffee.** Per pkt., 5c.; oz., 40c.; lb., \$4.00.

## Celery.

*Seleri—Apios—Sedano Acci.*

Sow seeds in hotbed or very early in open ground (it is slow to germinate, and should be kept very moist). Sow in straight rows for convenience in weeding when plants are very small. When two or three inches high thin out or transplant to three inches apart. Celery requires very rich soil and plenty of water. Plants may be set from May to the middle of August. The large growers plant most of the crop upon the surface, having previously plowed in all the manure possible, and setting in rows two to four feet apart and six inches in the row.



**GOLDEN SELF-BLANCHING.**

**Winter King.** A robust and satisfactory, strong-growing type of the late, green class, developing the much prized golden center, equally sought by private gardener and market men ..... 5c. 50c. \$5.00

**Celery Seed.** For flavoring. Old Seed. Price per oz., 10c.; per lb., 75c.; per 100 lbs., \$65.00.

**Celery**—Continued.

**Columbia.** Second early, following closely Golden Self Blanching, which it resembles in color; plant medium height, stocky, very heavy and crisp; it has a distinct nutty flavor, of unsurpassed quality, splendid keeper ..... Pkt. Oz. Lb.  
5c. 50c. \$5.00

**Easy Blanching.** (Sanford Superb). One of the newer sorts and a favorite with many of the market gardeners. Handsome appearance, hardy, not liable to blight; taller than Golden Self-Blanching, blanching white instead of yellow; excellent keeper; fair quality ..... 10c. 60c. 6.00

**Giant Pascal.** Thick and solid stalks, dark green foliage and golden heart ..... 5c. 35c. 3.50

**Golden Self-Blanching.** French-grown seed. Probably the most popular early celery. Medium height, stalks solid, compact in habit and branches readily. Both stalks and foliage are a rich golden yellow ..... 10c. 80c. 8.00

**White Plume.** Very early; blanching easily, the leaves to an attractive greenish white, the stalks nearly white; quality fair ..... 5c. 40c. 4.00

**Golden-Hearted Half Dwarf.** Center stalks and leaves blanching, a rich yellow ..... 5c. 35c. 3.50

**Winter Queen.** Medium height, thick, light green, solid stalks, with a large heart, crisp, blanches well ..... 5c. 35c. 3.50

**Chives.***Schnittlauch—Cipollette.*

Chives are perfectly hardy little perennial members of the onion tribe, and are grown exclusively for their tops, which are used whenever the flavor of onion is required. Planted in small clumps in any common garden soil, they will grow rapidly, and in time increase so as to render a division necessary. The tops appear very early in spring, and can be cut throughout the season.

**Roots only,** per bunch, 10c.; three for 25c.

**CHIVES.****Chufas or Earth Almond.**

These resemble in sweetness and flavor a cocoanut. Very prolific, a single one yielding from one to two hundred. Plant one foot to eighteen inches apart.

**Chufas.** Price per oz., 10c.; per lb., 50c.

**Collards or Coleworts.***Blatterkohl—Cabu—Cavoli.*

A variety of cabbage greens, used extensively in the South.

**True Creole or Southern.** Price per pkt., 5c.; per oz., 15c.; per lb., \$1.25.

**CHUFAS.**

## Corn for Popping.

*Granone per Scoppio.*

**Nonpareil White.** Eight-rowed. Long ears; pops very large. Price per ear, 5c.; per doz. ears, 50c.; per lb., shelled, 20c.

**Pearl.** Small kernel, twelve to sixteen-rowed. Price per ear, 5c.; per doz. ears, 50c.; per lb., shelled, 20c.

**White Rice.** Sharp-pointed kernels, twelve to sixteen-rowed. Price per ear, 5c.; per dozen ears, 50c.; per lb., shelled, 20c.

**Red Rice.** Sharp-pointed kernels, twelve to sixteen-rowed. Price per ear, 5c.; per dozen ears, 50c.; per lb., shelled, 20c.

**Queen's Golden Pop.** Twelve to sixteen-rowed, bright yellow. Price per ear, 5c.; per dozen ears, 50c.; per lb., shelled, 20c.

## Corn--Varieties for Field Culture.

*Granone o Grano—Turco.*

### FLINT VARIETIES.

	100 ears.	Qt.	Bu
<b>Early Eight-Rowed Yellow Canada or 90-Day Corn.</b> The earliest corn, a yellow glazed or flint variety, eight-rowed .....	\$3.00	20c.	\$4.00
<b>Longfellow.</b> The ears are long, cob small, kernels large; eight-rowed yellow flint .....	3.00	20c.	4.00
<b>Improved Sanford.</b> Large white ears and very productive .....	3.00	20c.	4.00
<b>Large Yellow.</b> The standard "Indian Corn"; ears 12 to 16 inches long .....	3.00	20c.	4.00

### DENT VARIETIES.

<b>Queen of the Prairie or Pride of the North.</b> This is a 90-day Yellow Dent .....	3.00	20c.	3.50
<b>Leaming.</b> The ears are large, with deep large dented grain, twelve to sixteen-rowed .....	3.00	20c.	3.50
<b>Early Mastodon.</b> Large eared and large dented kernel .....	3.00	20c.	3.50
<b>Southern White Fodder.</b> Attains a height of fourteen to eighteen feet. Used as an ensilage or fodder corn .....		20c.	3.50
<b>Red Cob Ensilage.</b> A white corn on red cob. Stalk short-jointed and very tall, with heavy foliage .....		20c.	3.50
<b>Eureka Ensilage.</b> White seed, luxuriant and heavy in stalk and foliage .....		20c.	4.00

## Sweet Corn.

Pkts. All Varieties Sweet  
Corn 10c. each

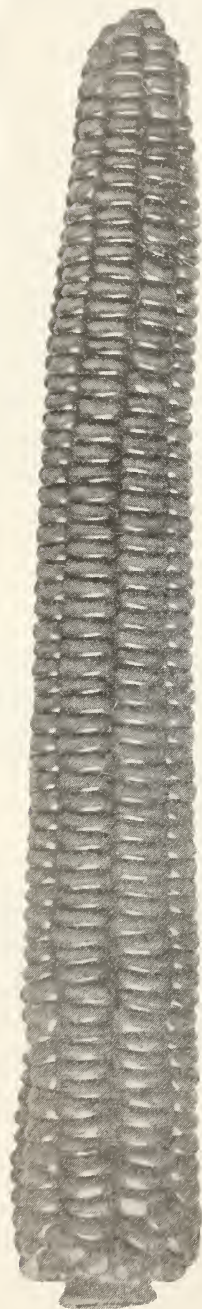
*Zucher Maiz—Maiz Granone dolce.*

It is generally conceded that sweet corn of superior quality for seed is grown in Connecticut. Seed is produced here in large quantities for shipment to the most critical trade.

### EXTRA EARLY VARIETIES.

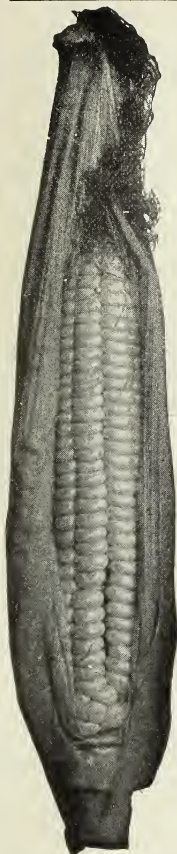
	Qt.	10 lbs.	100 lbs.
<b>Golden Bantam.</b> The kitchen garden special. Medium size ears of finest quality. The seed when dry is a beautiful golden color. This, the original, is superior in quality to the many so-called improved selections for size. Price per pt., 25c. ....	45c.	\$2.30	\$19.00
<b>Early Dawn.</b> For the first market. Its hardy constitution admits early planting; ears are good size, marketable late June or early July. Per pt., 20c. ....	35c.	1.90	16.00
<b>Cory. Red Cob.</b> Very early. Color both corn and cob light red when dry. Per pt., 20c. ....	35c.	1.90	16.00
<b>Mayflower.</b> Earliest white, good-sized ears, ten to twelve-rowed. Staks four to five feet high, hardy and most popular extra early. Per pt., 20c. ....	35c.	1.90	16.00

Note—Not less than 5 pounds Corn sold at the 10-pound rate  
or less than 25 pounds at the 100-pound rate.



LARGE  
YELLOW FLINT.





GOLDEN BANTAM.

**Sweet Corn—Continued.**

	Pkt.	Pt.	Qt.	10 lbs.	100 lbs.
<b>White Cory.</b> Very early, good size, both corn and cob white .....	10c.	20c.	35c.	\$1.90	\$16.00
<b>Early Minnesota.</b> Very early, white ears of fair size; eight-rowed .....	10c.	20c.	35c.	1.90	16.00
<b>Crosby's Extra Early.</b> Early, very sweet, grows ten to sixteen rows on an ear .....	10c.	20c.	35c.	1.90	16.00

**MEDIUM VARIETIES.**

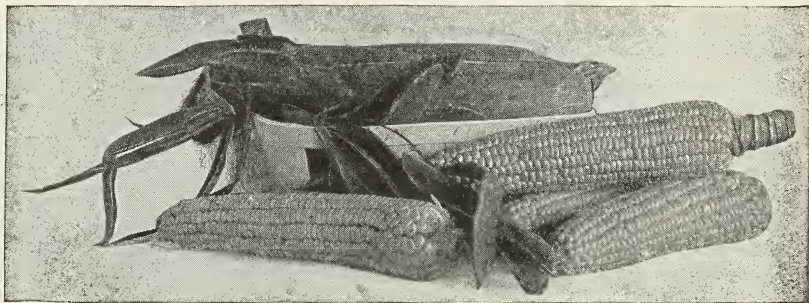
<b>Howling Mob.</b> One of the large-eared, early twelve-rowed class of much merit and a profitable crop for the trucker .....	10c.	20c.	35c.	1.90	16.00
<b>Champion.</b> This is a large early variety. It is twelve-rowed, very fine quality .....	10c.	20c.	35c.	1.90	16.00
<b>Cosmopolitan.</b> Early twelve-rowed, white, extremely sweet .....	10c.	20c.	35c.	1.90	16.00
<b>Metropolitan.</b> One of the sweetest and biggest of all the earlies; twelve-rowed .....	10c.	20c.	35c.	1.90	16.00
<b>Stabler's Early.</b> Large ears, twelve to fourteen rows, pure white kernels, excellent quality .....	10c.	20c.	35c.	1.90	16.00
<b>Moore's Early Concord.</b> Ears large, twelve to sixteen rows .....	10c.	20c.	35c.	1.90	16.00
<b>Potter's Excelsior or Squantum.</b> Medium early. Large ears of excellent quality .....	10c.	20c.	35c.	1.90	16.00
<b>Mexican Sugar. Black.</b> Early and very sweet; eight-rowed; when young the color is very slight .....	10c.	20c.	35c.	1.90	16.00

**LATE VARIETIES.**

<b>Hickox Improved.</b> A large-eared medium late variety .....	10c.	20c.	35c.	1.70	14.50
<b>Early Evergreen.</b> About ten days earlier than Stowell's .....			35c.	1.70	14.50
<b>Stowell's Evergreen.</b> A large variety; the standard family or market use; high quality .....	10c.	20c.	35c.	1.70	14.50
<b>Country Gentlemen. (Shoe Peg).</b> Medium late; good size ears; delicate sweet and fine flavored .....	10c.	20c.	35c.	1.90	16.00
<b>Long Island Beauty.</b> Very large ears of twelve to fourteen rows, shows up well at the market stands. In quality unsurpassed and used extensively by canners....	10c.	20c.	35c.	1.70	14.50

**Late Mammoth.** The largest and latest variety, growing from sixteen to twenty rows on an ear. Price per pkt., 10c.; per pt., 20c.; per qt., 35c.; 10 lbs., \$1.70; 100 lbs., \$14.50.

**Sweet Corn for Fodder.** The sweet corn is decidedly preferred by stock to the yellow or field varieties. Per 10 lbs., 80c.; 100 lbs., \$6.50.

**LONG ISLAND BEAUTY.****Corn Salad or Fetticus.**

*Ackersalat—Macha o Valerianilla—Valerianello o Insalata.*

It is sown on the first opening of spring in rows one foot apart, and is fit for use in six weeks from the time of sowing. If wanted for very early spring, it may be sown in September and covered as soon as cold weather sets in, and is wintered over the same as spinach.

**Large Leaved.** Price per pkt., 5c.; per oz., 15c.; per lb., \$1.50.

**Cress or Pepper Grass.**

*Kresse—Berro o Masteurzo—Crescione.*

Extensively used as a small salad. Sow early in the spring, very thickly in shallow drills. The sowing should be repeated at intervals, as it soon runs to seed. One ounce of seed will sow a bed of sixteen square feet.



Corn Salad or Fetticus.





CRESS OR PEPPER GRASS.



UPLAND CRESS.

**Cress or Pepper Grass—Continued.**

**Extra Curled.** Fine curly-leaved. Price per pkt., 5c.; per oz., 10c.; per lb., 85c.

**Upland.** Resembles the water cress in flavor; same culture as spinach; a perennial plant. Price per pkt., 5c.; per oz., 20c.; per lb., \$2.00.

**Cress--Water.**

*Wasser Kresse—Crescione Acquatico.*

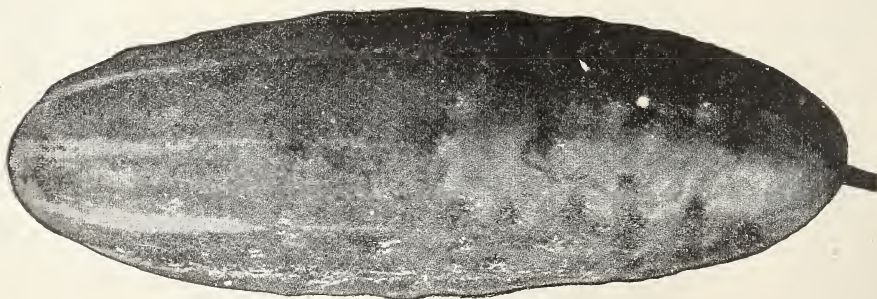
This is a well-known hardy, perennial aquatic plant, growing abundantly along the margins of running streams, ditches and ponds. Where it



WATER CRESS.

does not grow naturally it is easily introduced by planting, and it increases, both by spreading of the roots, and by seeding.

**True Water Cress.** Price per pkt., 5c.; per oz., 50c.; per lb., \$5.00.



EARLY FORTUNE.

**Cucumber.**

*Gurke—Pepino—Cetrinolo.*

Make rich hills of well-rotted manure, two feet in diameter, and plant a dozen or more seeds, covering half an inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. The middle of June is early enough to plant for pickling. Make the hills about six feet apart. For early cucumbers the hot-bed is necessary.

**EARLY AND SMALL PICKLING VARIETIES.**

**Early Cluster.** Very early; short and sets close-

ly. Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 35c.; per lb., \$1.25.

**Boston Pickling or Green Prolific.** Medium long, smooth, good color. Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 35c.; per lb., \$1.25.

**Gherkins or West India.** Very small, fruit covered with spines, and used for pickles only; extremely prolific; the vine resembles the water-melon and may be run over an arbor or trellis. Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 45c.; per lb., \$1.75.



## Cucumber—Continued.

### FOR SLICING AND LARGE PICKLES.

**Early White Spine.** Large, bright green, smooth and prolific. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Evergreen White Spine.** Extra long and straight, dark green. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.



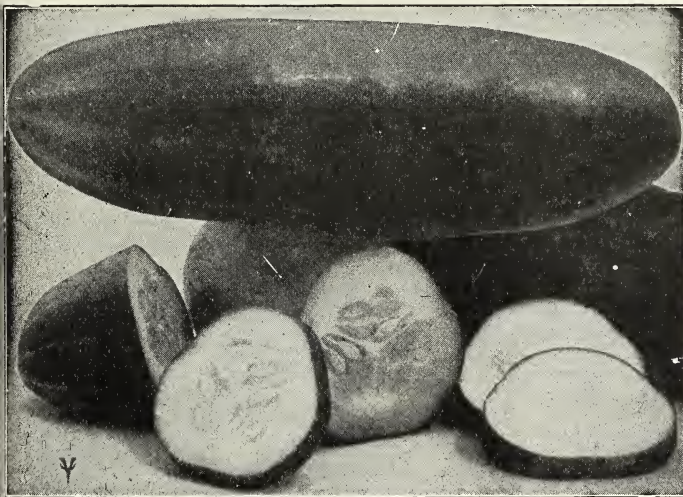
**Arlington Early White Spine.** For slicing or pickling. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Early Fortune.** This belongs to the white spine type, and is the best we have ever seen. It is early, productive and

### GHERKIN or WEST INDIA.

blight-resisting; remarkably uniform fruits about nine inches long, holding their fine dark green color long after picking; flesh firm, crisp, and few seeds. Owing to its vigor and blight-resisting qualities, we believe is due the high percentage of perfect fruits. Our market gardeners have found it to be their most profitable sort. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Davis Perfect.** A fine, extra long, solid, smooth and slender, dark green type of White Spine, equally good for field or forcing culture. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.



DAVIS PERFECT CUCUMBER.

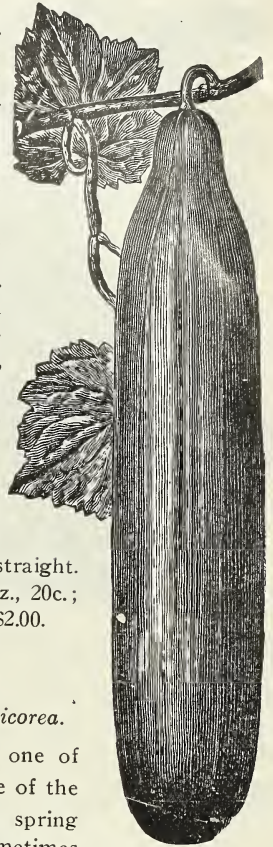
### London Long Green.

A fine dark green, productive late table sort, 12 to 15 inches long, more or less warted; flesh white and firm; used extensively for large pickles. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 45c.; lb., \$1.75.

### Japanese Climbing.

Vines are vigorous and throw out strong, grasping tendrils. Fruits long, even and crisp. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Giant Pera.** Grows to one and a half feet in length, smooth and straight. Price per pkt., 5c.; per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.



GIANT PERA.

## Dandelion.

*Lowenzahn—Amaigon—Cicorea.*

The Dandelion affords one of the earliest as well as one of the best and most healthful spring greens. It is also sometimes blanched and used as a salad. The seeds may be sown from May to August, in drills ten inches apart; thin out the young plants to about three inches apart; cultivate during the season, and the following spring the plants will be fit for the table.

**French Common.** Very early, vigorous growth. Price per pkt., 10c.; per oz., 45c.; per  $\frac{1}{4}$ -lb., \$1.25; per lb., \$4.50.



DANDELION.

**Improved Thick-Leaved, or Cabbaging.** Distinct variety forming a regular upright tuft at the center; blanches easily. Superior to the common. Price per pkt., 10c.; per oz., \$1.00; per lb., \$10.00.



**Egg Plant.***Eirpflanze—Berengena—Moligunae.*

Sow in a hot-bed in February and March; when the plants are one or two inches high, transplant or thin out to two or three inches apart. When the weather is warm and settled, they may be planted out in a warm situation, two feet apart each way.

**Improved New York Spineless.** Fruit of large size, oval, and dark purple. Price per pkt., 10c.; per oz., 60c.; per ¼-lb., \$1.65; per lb., \$6.00.

**Black Beauty.** Fruit ten to fifteen days earlier than New York, not quite as large, more nearly egg shaped, dark purple. Price per pkt., 10c.; per oz., 70c.; per ¼-lb., \$1.85; per lb., \$7.00.

**Early Long Purple.** Price per pkt., 10c.; per oz., 60c.; per ¼-lb., \$1.60; per lb., \$6.00.

**Endive.***Endivien—Endivia—Indivia o Escarola.*

Make the first sowing about the middle of May, on a bed of well-pulverized, rich soil, scattering the seed thinly, and covering it lightly. For the main crop, sow in the middle of June and again about the middle of July; and for plants to stand the winter, sow early in August. When the plants are about two

**LONDON GREEN CURLED ENDIVE**

**Broad-Leaved Batavian.** A large summer variety. Price per pkt., 5c. per oz., 15c.; per ¼-lb., 40c.; per lb., \$1.25.

**French Endive.** (See Witloof)**Florence or Naples Fennel.***Finnocchio di Napoli.*

Sow in early spring in rows fifteen to twenty inches apart, in rich, moist soil. Thin out or transplant to six or eight inches. It is usually boiled for the table. It somewhat resembles celery, possessing a sweet and agreeable smell and flavor. Eaten raw when young and tender.

Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 40c.; per lb., \$1.50.

**Garlic.***Aglio.*

Garlic thrives best in a light, well-enriched soil; the sets should be planted in early spring, in rows one foot apart and from one to five inches in the rows. The crop matures in August, when it is harvested like the onion.

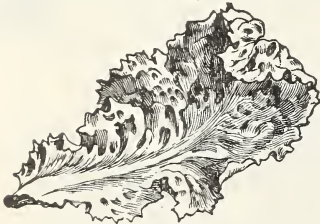
**Garlic Sets.** Price per lb., 50c.

**GARLIC.****IMPROVED NEW YORK SPINELESS.**

inches high, transplant into rich, well-prepared soil.

**Green Curled.** Leaves curly and finely fringed; very hardy and fine quality. Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 40c.; per lb., \$1.25.

**Giant Fringed or Oyster.** Beautifully fringed; vigorous; with large white heart. Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 45c.; per lb., \$1.50.

**BROAD LEAVED BATAVIAN ENDIVE.****Kale or Borecole.***Blatter Kohl—Col—Cavalo Riccio.*

Sow in April, in drills fourteen to eighteen inches apart, covering the seeds thinly and evenly, and thin out when hoeing to from four to six inches apart. The varieties are extremely hardy, and are best when touched by frost. For winter and spring use, sow in August or September.



## Kale or Borecole

[Continued.]

**Dwarf Curled Scotch.** Spreading habit, hardy and improved by light frost. Price per pkt., 5c.; per oz., 15c.;  $\frac{1}{4}$ -lb., 45c.; lb., \$1.75.



**DWARF CURLED SCOTCH.**

**Tall Curled Scotch.** Similar to the Dwarf except that it grows two to three feet high. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 45c.; per lb., \$1.75.

**Improved Siberian.** German Greens or Sprouts. Dwarf, curly, dark green leaves, very hardy and an immense cropper. Undoubtedly the best adapted to our climate and more extensively grown than any other variety; for fall seeding to winter over and cutting for spring greens. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Purple, Curled or Brown Kale.** A beautifully curled variety, with dark colored leaves. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 45c.; per lb., \$1.75.



**IMPROVED SIBERIAN.**

## Kohl-Rabi or Turnip Cabbage.

*Kohlrabi—Colinabo—Rapa.*

Half-way between a turnip and a cabbage, partaking of the nature and flavor of both. The bulbs are cooked like turnips. Sow from April to July; plant and cultivate the same as cabbage. As they are difficult to transplant, they are sometimes sown where they are to stand, and afterwards thinned out.

**Early White Vienna.** Grows to a fair size, skin light green, flesh white; short stumps and tops. Price per pkt., 5c.; per oz., 30c.; per  $\frac{1}{4}$ -lb., 80c.; per lb., \$3.00.

**Early Purple.** Differs from the above in color only. Per kt., 5c.; per oz., 30c.; per  $\frac{1}{4}$ -lb., 80c. per lb., \$3.00

## Leek.

*Lauch—Puerro—Cipollette.*

Sow as early in the spring as season admits, either in seed beds or places where they are intended to grow. When four inches in height thin to three inches; when from six to eight, transplant to ten inches apart, leaving



**LARGE MUSSELBURG LEEK.**

## Lettuce.

*Salat—Lechuga—Lattuga.*

**Culture.** Sow early in spring in a hot-bed; transplant in April for summer use. Again, sow from April at intervals in the open ground, and for winter and spring use, in August and September. Protect by means of cold frame during the winter.



**KOHL-RABI OR TURNIP CABBAGE.**

those in the drills about six inches apart. Set as deep as possible without covering the small center leaves.

**American Flag.** A favorite variety, long, large stalk, broad-leaved, white and sweet when properly blanched. Per pkt., 5c.; per oz., 25c.; per  $\frac{1}{4}$ -lb., 70c.; per lb., \$2.50.

**Large Musselber.** Thick, long stems, productive. Per pkt., 5c.; per oz., 25c.; per  $\frac{1}{4}$ -lb., 70c.; per lb., \$2.50.

**Giant Carentan.** Largest and most hardy, semi-bulbous, mild. Per pkt., 5c.; per oz., 25c.; per  $\frac{1}{4}$ -lb., 70c.; per lb., \$2.50.



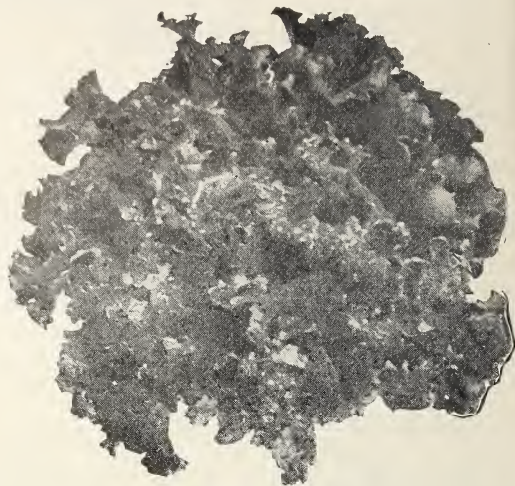
**Lettuce—Continued.****CURLED OR LOOSE-LEAVED VARIETIES.**

**Grand Rapids.** The plant is distinct, of upright growth; leaves light green, much fringed and crumbled, forming a loose cluster. Very extensively grown under glass. The seed will not grow if sown more than one-eighth inch deep. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$ -lb., 40c.; lb., \$1.50.

**Black-Seeded Simpson.** Rapid growing; stands the summer heat well, and attains a large size; quality excellent. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$ -lb., 40c.; lb., \$1.50.

**White-Seeded Simpson or Silesia.** Very tender and crisp, forming loose cluster. Per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Early Prize Head.** Of non-heading habit, large bronzed leaves, crisp and tender. Per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.40.

**PRIZE HEAD.****BLACK-SEEDSIMPSON LETTUCE.****HEADING OR CABBAGE VARIETIES.**

**Wayahead.** Very early, solid heading, and tender, rich golden blanching center. Per pkt., 5c.; per oz., 15c.;  $\frac{1}{4}$ -lb., 40c.; lb., \$1.50.

**May King.** Early, light green, head solid, good shipper. Per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Tennis Ball Black-Seeded.** One of the earliest; forms a close, hard head. Per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Deacon.** A large Butter-Head variety. Pale yellow center of fine quality. Per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**White Summer Cabbage.** A standard large-headed variety, very hardy. Per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Hubbard Market.** A large white cabbage variety; equally valuable for forcing or open ground. Per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

	Pkt.	Oz.	$\frac{1}{4}$ -lb.	Lb.
<b>Salamander.</b> For summer use, forming good-sized, compact heads, light green...	5c.	15c.	40c.	\$1.50
<b>California Cream Butter or Royal Cabbage.</b> Large-leaved, light green, buttery...	5c.	15c.	35c.	1.35
<b>New York or Wonderful.</b> Very large, late, crisp and tender inside, outer leaves dark green, crumpled	5c.	25c.	85c.	3.00
<b>Big Boston.</b> Large head, excellent for forcing, or outdoors	5c.	15c.	40c.	1.50
<b>Hanson.</b> Heads very large and solid; one of the most desirable for late	5c.	15c.	35c.	1.25
<b>Crisp-as-Ice.</b> A bronze head variety of finest quality and appearance, the crumpled, shiny bronze leaves enclose a firm, crisp head of medium size	5c.	15c.	40c.	1.50
<b>Mammoth Black-Seeded Butter.</b> A yellowish green, compact head of large size and excellent quality	5c.	15c.	40c.	1.50

**COS OR ROMAINE VARIETIES.**

**Paris White Cos.** This grows upright, with long, narrow leaves, and should be tied up to blanch a week or more before cutting

**Trianon.** Large heads, blanching white and tender

**Musk Melon.**

*Cantalupe—Melon Muscatel—Phone o Mellone.*

**Culture.** Plant in the spring, in hills five or six feet apart each way, well manured with old rotten compost. Scatter a dozen seeds to the hill, and after they are out of danger from bugs, thin to three or four plants. A light, dry, sandy soil and a dry atmosphere are most suitable. Melons should not be planted near any other varieties if it is desired to preserve them pure.

**GREEN FLESHED VARIETIES.**

**Jenny Lind.** Very early, small fruit, but delicious, green flesh. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**BIG BOSTON LETTUCE.**



**Musk Melon.**

Pkts. of all Musk Melon  
Seeds, 5c. each

[Continued.]

**Rocky Ford.** Oval-shape, medium size, and thickly netted. The flesh is green. Per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Golden Netted Gem.** Flesh light green, skin green, regularly ribbed and thickly netted. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Hackensack or Nutmeg.** It attains a large size, is round in shape, flattened at the ends, green flesh. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Baltimore or Acme.** Very large, round, flattened at both ends, flesh green. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.



OSAGE.

**SALMON FLESHED VARIETIES.**

**Connecticut Special.** This is a fine melon of the Osage type, medium size, dark green, slightly netted and richly flavored, with a spicy lusciousness peculiarly its own; flesh thick and firm, but when fully ripe dissolving and delectable. Per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**New Pollock No. 25.** The result of long-continued work in the famous Rocky Ford melon section to produce a salmon flesh "Rocky Ford"; highly rust resistant. (See Merit List, page 4). Price per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.

**Burrell's Gem.** The golden fleshed Rocky Ford. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Emerald Gem.** Small, but prolific. Has a thin green rind and very small seed cavity, rich and luscious meat of a salmon color. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Osage or Miller's Cream.** Smooth, dark green exterior, medium size, thick, hard, salmon flesh; one of the finest melons grown. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Tip-Top.** Very large, deeply ribbed, and thickly netted. Flesh yellow, thick and very sweet. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.



MARTYNIA.

**Martynia.**

The seed pods are used to considerable extent for pickling, when gathered green and tender. Sow in the open ground in May, and transplant two feet apart.

**Martynia Proscisea.** Price per pkt., 5c.; per oz., 30c.; per lb., \$3.00.

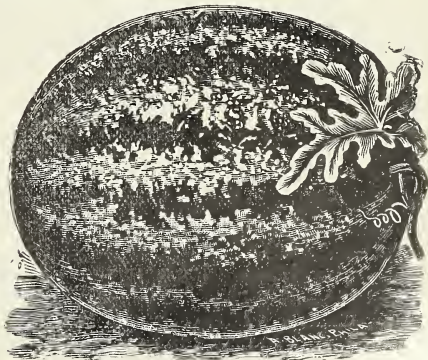
**Water-Melon.**

Wassermelone—Zandia—Anguria o Mellone.

**Culture.** Plant in hills six or eight feet apart, in May. Select warm, light, dry ground, and in preparing the hills let them be dug out as broad and deep as the soil will admit; fill at least one-third full of the best decomposed stable manure, and mix thoroughly with the soil; fill up a little above the level of the ground.

**Cole's early.** A striped early variety, nearly round, medium size. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

**Monte Cristo or Kleckley's Sweets.** Skin dark green, thin rind, flesh scarlet, very solid, firm and luscious. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.



COLE'S EARLY.



## Water-Melon—Continued.

**Halbert's Honey.** Large, oblong, dark green, medium early. Very sweet, crimson flesh, white seeded quality the best. Per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Tom Watson.** A large, late, long, dark green melon with bright red flesh and quality unexcelled. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

**Sweet Heart.** Mottled light green; large, oval. Per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

**Kolb's Gem.** A striped, oblong, melon, of large size. Per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; lb., 80c.

**Triumph.** Very large and prolific. Rind dark green. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

**Ice Cream or Peerless.** White seed; medium size; green skin, very thin rind. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

Price of all pkts., 5c., except where otherwise noted.



CITRON FOR PRESERVING.

requires about two months for them to begin bearing.

**American Pure Culture Spawn (bricks).** One brick, 30c.; 10 bricks, \$2.50.

## Mustard.

*Senf—Mostaza—Mortarda.*

Sow in April, in drills a foot apart, and thin out moderately when about three inches high.

**White London.** Used for salads or greens. Per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 60c.

**Brown or Black.** More pungent in flavor than the white. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 70c.

**New Chinese.** Leaves twice the size of the ordinary White Mustard. Per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 75c.

## Citron.

**Citron for Preserves and Sweetmeats.** Round, striped, red seeds. Price per pkt., 5c.; oz., 10c.;  $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

**Colorado Preserving Citron.** Oblong and very large. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

## Mushroom Spawn.

*Blanc de Champignon—Seta—Champignonbrut.*

**Mushroom Culture**—Mushrooms are an edible fungus and may be grown wherever the temperature of fifty degrees can be kept up through the winter. The beds should be made from November to February, according to the time the mushrooms are wanted. It requires about two months for them to begin bearing.



MUSHROOMS.



## Okra or Gumbo.

*Safran—Quimbombo—Othro.*

Select warm, rich soil and plant in rows two feet apart, thinning plants to a foot apart in the row. The pods are used to thicken soups, being gathered young. Okra is preserved for winter use by slicing the pods into rings and drying them upon strings hung up and exposed to the air.

**White Velvet.** Pods round, smooth and free from seams. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 75c.

**Dwarf Green Prolific or Density.** Pods green, smooth and thickly set. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 75c.



WHITE VELVET OKRA.

## Parsley.

*Petersilis—Perjül—Prazemoro.*

Parsley succeeds best in rich mellow soil. As the seeds germinate very slowly, three or four weeks elapsing before it makes its appearance, it should be sown early in the spring. Sow thickly in rows a foot apart and half an inch deep. For winter use, protect in a frame or light cellar.

**Champion Moss Curled.** Very closely curled, dark green, the most popular. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.



**Fern Leaf.** A fine curled, fern-like variety. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Plain Leaf.** Hardier than the curled variety. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Hamburg or Turnip-Rooted.** The root is the edible portion. This is white; resembles a small parsnip. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.



MOSS CURLED PARSLEY.

Sow as early in spring as the weather will admit, in drills fifteen inches apart, covering lightly. When well up, thin out to five or six inches apart in the rows. They are improved by frost, and it is a good plan to take up in the fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug up as required. They should be more extensively grown for stock feeding, being more nutritious than turnips, and an immense cropper.

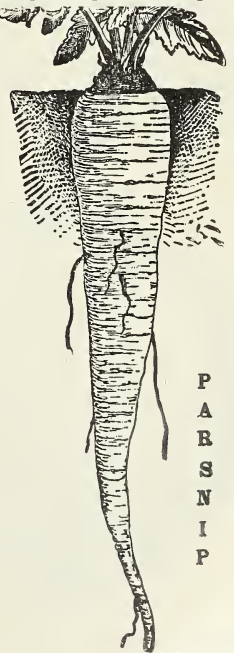
**Half Long Thick Shoulder.** This is an intermediate. Wide at the top. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

**Hollow Crowned.** Broad shoulder, medium long. The Hollow Crowns are considered superior to other kinds. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

**Long White Smooth or Sugar.** Large and quite long, free from side root; sweet and excellent flavor. Price per pkt., 5c.; per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

## Parsnips.

*Partinake—Chirijia—Pastanache.*



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## Onions.

*Zweibel—Cebolla—Cipolle.*

Onion seeds should be sown as early as it is possible to work the ground, in drills one inch deep and twelve to sixteen inches apart, in rich soil, deeply tilled and lightly rolled. Thin to one inch apart. When sowing for sets, seeds must be put in very thick, at the rate of about twenty pounds to the acre. The same patch may be used year after year for onions and never made too rich.

**Danvers Yellow Globe.** Large, nearly round; very mild, ripens early and is a good keeper. Especially adapted for New England. Per pkt., 5c.; per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.

**Southport Yellow Globe.** Deep globe-shaped and a heavy late crop-  
per; one of the most extensively grown. Per pkt., 5c.; per oz., 25c.; per  $\frac{1}{4}$ -lb., 70c.; per lb., \$2.25.

**Yellow Dutch or Strasburg.** Large and flat. A great yielder. Sown extensively for sets. Price per pkt., 5c.; per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.

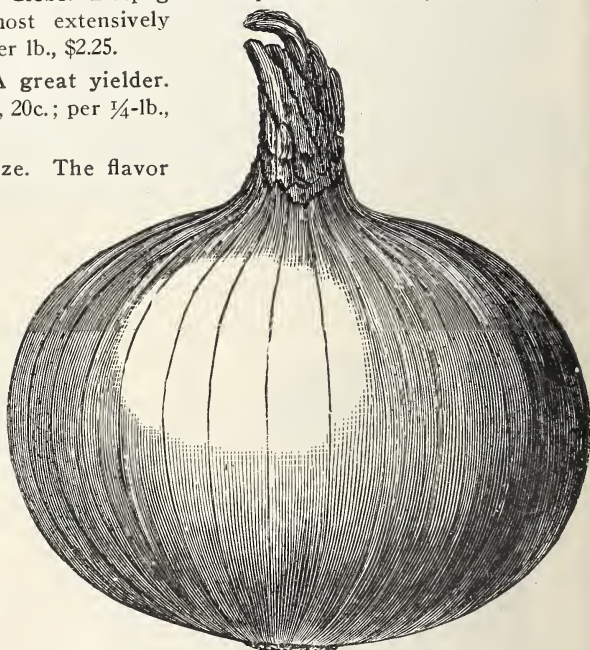
**Prize Taker.** Rich straw color, of enormous size. The flavor is mild and delicate. Price per pkt., 5c.; per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.

**Ailsa Craig.** An English sort of the very largest, frequently five inches in diameter, weighing two pounds each. Skin straw color; flesh white, firm and mild. For exhibition sow in hot-bed and transplant. Price per pkt., 5c.; per oz., 35c.; per  $\frac{1}{4}$ -lb., 90c.; per lb., \$3.50.

**Extra Early Red.** Flat, and ten days earlier than Large Red. Per oz., 25c.; per  $\frac{1}{4}$ -lb., 70c.; per lb., \$2.25.

**Large Red Wethersfield.** A large flat variety, very productive, keeps well. Price per pkt., 5c.; per oz., 25c.; per  $\frac{1}{4}$ -lb., 70c.; per lb., \$2.25.

**Southport Red Globe.** This is a large, round, deep red-skinned variety; very mild, good keeper. Price per pkt., 5c.; per oz., 30c.; per  $\frac{1}{4}$ -lb., 75c.; per lb., \$2.75.



### YELLOW GLOBE DANVERS

**Southport White Globe.** In form nearly ovoid, very regular and symmetrical; skin white, flesh fine grained snowy white, mild. Price per pkt., 5c.; per oz., 30c.; per  $\frac{1}{4}$ -lb., 80c.; per lb., \$3.00.

**White Portugal or Silver Skin.** Very early, mild flavor. Price per pkt., 5c.; per oz., 30c.; per  $\frac{1}{4}$ -lb., 80c.; per lb., \$3.00.

**Mammoth Silver King.** Very large, white and flat. Price per oz., 45c.; per  $\frac{1}{4}$ -lb., \$1.25; per lb., \$4.50.

Price of all pkts., 5c. each.

## Onion Sets.

Onion sets, both rare-ripes and tops, are placed on the surface, in shallow twelve-inch drills, about four inches apart, and lightly covered. Potato onions are planted in spring or fall, as they will survive the winter. By this process early onions may be obtained several weeks earlier than from seed.

**White Onion Sets.** Per qt., 25c.; per pk., \$1.25; per bu., \$4.50.

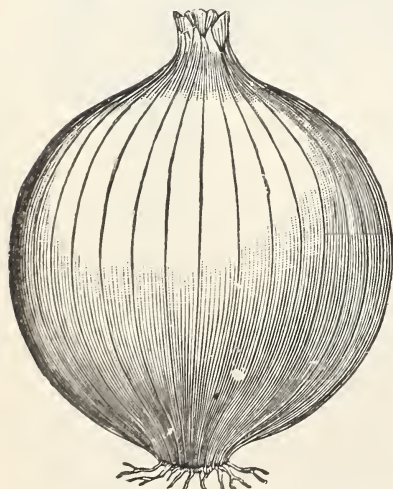
**Yellow Onion Sets.** Per qt., 20c.; per pk., \$1.10; per bu., \$4.00.

**Red Onion Sets.** Per qt., 20c.; per pk., \$1.10; per bu., \$4.00.

**Potato Onion Sets.** Per qt., 20c.; per pk., \$1.10; per bu., \$4.00.

**Egyptian or Perennial Tree.** Set out in July and August for early spring use. Per qt., 15c.; per pk., 75c.; per bu., \$2.50.

For sets in quantities, get special quotations, as prices vary during the season of planting.



**SOUTHPORT WHITE GLOBE.**



## Peas.

*Erbsen—Chicoros—Pirelli.*

Wrinkled varieties marked with an \*

**Culture.** Peas, for an early crop, should be sown as soon as the ground is in working condition. Soil should be light and dry. For general crops the ground should be well manured the previous year. They are usually planted in double rows three or four inches apart, and covered to the depth of two and one-half to three inches. All wrinkled peas are superior and more delicate in flavor than those that present a full and perfect form; like sugar corn, the saccharine matter which they contain causes them to shrivel when dried, and they will remain much longer in season than the other kinds.

### Earliest Peas.

**Pkts. All Peas 15c. each**

Two to Three Feet High.

**Alaska, or Earliest of All.** The earliest pea in cultivation, very hardy, seed small, round, bluish green, vines  $2\frac{1}{2}$  to 3 feet high, pods  $2\frac{1}{2}$  inches long, 4 to 6 peas in a pod. The crop matures evenly, mostly gathered in one picking. Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.10; 100 lbs., \$17.50.

**Pedigree Extra Early.** This is the finest strain of extra earlys only about two days later than Alaska;

pods average slightly larger, vines  $2\frac{1}{2}$  to 3 feet high, dry seed, white or manila color, considered better quality than Alaska. Per pt., 30c.; per qt., 50c.; 10 lbs., \$2.20; 100 lbs., \$19.00.

### GRADUS.

**\*Gradus.** The earliest large-podded pea in cultivation. Vine about three feet, light green. Pods four inches long, peas extra size and delicious flavor. Price per pt., 45c.; per qt., 80c.; 10 lbs., \$3.60; 100 lbs., \$30.50.

**Thomas Laxton.** Resembles Gradus very closely in habit and rapidity of growth, earliness and luxuriance of foliage. Pods large, seed wrinkled, cream color, tinged with green. Height, three feet. Price per pt., 45c.; per qt., 80c.; 10 lbs., \$3.60; 100 lbs., \$30.50.

### Peas, Dwarf.

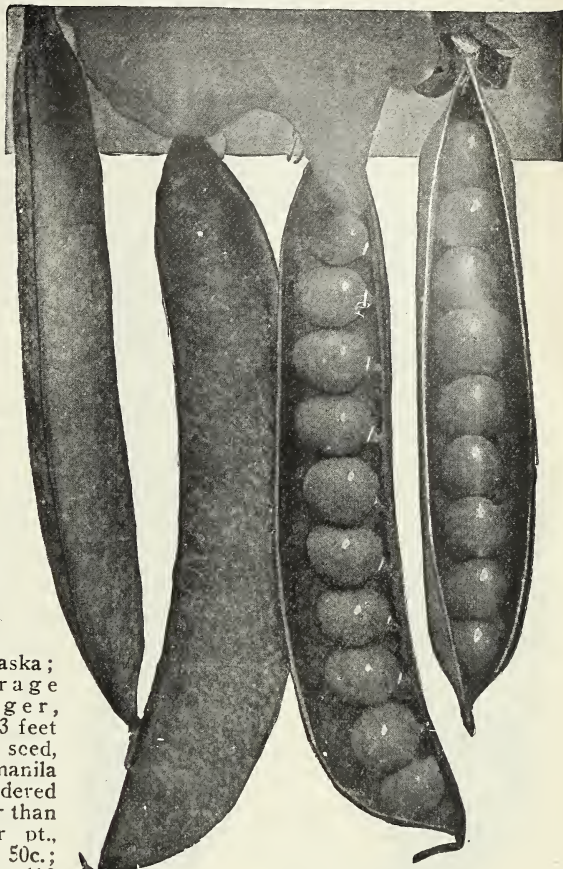
**Little Marvel.** Resembles Nott's Excelsior, though larger in vine and growth, ordinarily fifteen to twenty inches high, pods borne in pairs, three inches long, very tightly filled. Price per pt., 45c.; per qt., 85c.; 10 lbs., \$3.85; 100 lbs., \$32.00.

**Laxtonian.** A very dwarf pea (fourteen to eighteen inches) with large, dark green pods, four inches long. Matures about the same time as Gradus. A fine pea for either private or market gardeners. Price per pt., 45c.; per qt., 85c.; 10 lbs., \$3.85; 100 lbs., \$32.00.

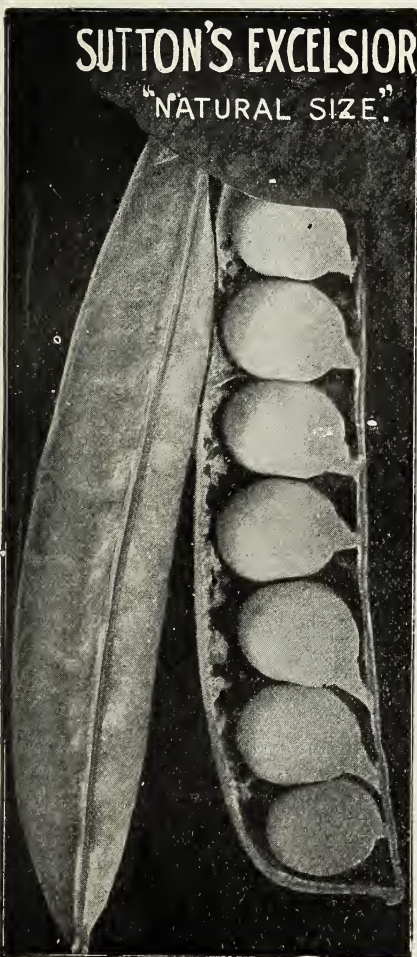
**\*Sutton's Excelsior.** Very large seeded, dwarf, early, wrinkled pea. Pods long, broad, straight, pale green vines. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.10; 100 lbs., \$26.00.

**\*American Wonder.** One of the earliest, growing but ten to fifteen inches high; pods two and three-quarters inches long. Price per pt., 35c.; per qt., 65c.; 10 lbs., \$3.00; 100 lbs., \$25.00.

**NOTE—**Not less than 5 pounds Peas at the 10-pound rate or less than 25 pounds at the 100-pound rate.



GRADUS.







TELEPHONE PEA.

**Peas—Continued.****[Pkts. All Peas 15c. each]**

**\*Early Premium Gem.** (Improved Little Gem). Very early, good quality, similar to American Wonder. Price per pt., 35c.; per qt., 60c.; 10 lbs., \$2.70; 100 lbs., \$23.00.

**\*Nott's Excelsior.** Very early, vines twelve to fifteen inches high, pods medium size, blunt ended,  $2\frac{3}{4}$  inches long, tightly filled with 6 to 8 peas of high quality. Price per pt., 35c.; per qt., 65c.; 10 lbs., \$3.00; 100 lbs., \$25.00.

**General and Late Crop.****Two and one-half to Five Feet High.**

**\*Telephone.** Fine large pods,  $4\frac{1}{2}$  inches long, of excellent quality. Height, four feet. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.20; 100 lbs., \$27.00.

**Alderman.** A tall-growing late variety of the large, broad-podded, dark green type; very prolific. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.20; 100 lbs., \$27.00.

**Prince Edward.** Height four feet. One of the largest podded peas. Vines make a rank growth under good cultivation and yield abundantly. Pods  $4\frac{3}{4}$  inches long and broad, filled with peas of corresponding size. Price per pt., 40c.; per qt., 75c.; 10 lbs., \$3.00; 100 lbs., \$25.00.

**Duke of Albany.** Large dark green pods similar to Telephone. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.20; 100 lbs., \$27.00.

**\*Strategem.** Large podded, green wrinkled pea. Height, two and one-half feet. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.20; 100 lbs., \$27.00.

**\*Potlatch.** Large pods and seeds. Very sweet wrinkled type, and an excellent family garden variety. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.20; 100 lbs., \$27.00.

**\*Bliss' Ever Bearing.** Height of vines, two and one-half feet; foliage very large, firm and bright green; pods three inches long. An old standard about one week later than Telephone; only under favorable conditions will it continue to bear for a greater length of time than ordinary. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.20; 100 lbs., \$27.00.

**Champion of England.** An old favorite, one week later than Telephone, five feet high, rich flavored and very prolific. Price per pt., 35c.; per qt., 60c.; 10 lbs., \$2.70; 100 lbs., \$22.50.

**White Marrowfat.** Correctly named, a rich marrow pea; seeds hard, white. Height, five feet; pods 3 inches long. Price per pt., 25c.; per qt., 45c.; 10 lbs., \$2.00; 100 lbs., \$17.00.

**Black-Eyed Marrowfat.** Large, hard, white pea, with black eye; pods 3 inches long. Height, five feet. Price per pt., 25c.; per qt., 45c.; 10 lbs., \$1.90; 100 lbs., \$16.00.

**EDIBLE PODDED PEAS.**

**Melting Sugar.** This bears pods from four to five inches long and an inch wide. Very tender when young; cooked much the same as snap beans. The vines grow five feet long and require support. Price per pt., 40c.; per qt., 70c.; 10 lbs., \$3.10; 100 lbs., \$26.00.

**PEAS FOR SOWING BROADCAST.**

**Canada Field.** For field culture only. In their dry state they are used for feeding stock, making soups, etc. They are usually sown broadcast and often with oats or barley, cut and fed green, or left to ripen and then threshed. Price per qt., 25c.; per pk., \$1.25; per bu., \$4.50.

*Peas belong to the legume family, and can be inoculated with Mulford Cultures, enabling them to improve the soil supply of nitrogen. This should be taken advantage of, especially in large plantings. See page 37.*



## Peppers.

Pkts. All Peppers 10c. each

*Pepper—Pimiento—Peperoni.*

Peppers should be started under glass. Transplant into the open ground towards the close of May, having the rows eighteen inches apart; plant a foot apart in the rows. The ground should be made very rich, either by high manuring before the plants are transplanted, or by the liberal application of guano or liquid manure afterwards.

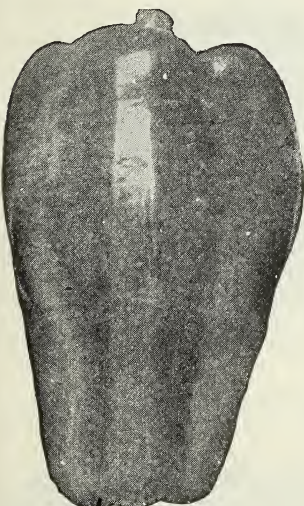
**Royal King.** Large, square, top and bottom; thick, firm hull; mild and sweet, but pungent enough to be just right. Robust plant and heavy cropper. Price per oz., 60c.; per ¼lb., \$1.60; per lb., \$6.00.

**Perfection Pimento.** A large, smooth, thick-meated sweet pepper; late. Price per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

**Ruby King.** Very mild; the peppers attain a large size. When ripe they are bright ruby red. Price per oz., 65c.; per ¼-lb., \$1.75; per lb., \$6.50.

**Neapolitan.** Early; large, slightly tapered, sweet thick flesh, productive. Price per oz., 60c.; per ¼-lb., \$1.60; per lb., \$6.00.

**Large Bell or Bull Nose.** An early variety, fruit three to five inches long, flesh thick and slightly pungent. Price per oz., 60c.; per ¼-lb., \$1.60; per lb., \$6.00.



NEAPOLITAN.

**Ruby Giant.** A cross of the Chinese Giant and Ruby King. A very large, sweet mango pepper. Price per oz., 70c.; per ¼-lb., \$1.85; per lb., \$7.00.

**Sweet Mountain.** A large, early variety, of mild flavor, rind thick and fleshy. Price per oz., 60c.; per ¼-lb., \$1.60; per lb., \$6.00.

**Firey King, or Hot Mountain.** Resembles the Sweet Mountain in size and shape, but more acrid and pungent. Per oz., 70c.; per ¼-lb., \$1.85; per lb., \$7.00.

**Chinese Giant.** The largest variety known. It is one of the square-shouldered type, thick, sweet flesh. Price per oz., 70c.; per ¼-lb., \$1.85; per lb., \$7.00.

**Celestial.** Fruit ornamental, small, upright; color white, changing to yellow and then scarlet when ripe. The peppers are very mild. Price per oz., 40c.; per ¼-lb., \$1.50.

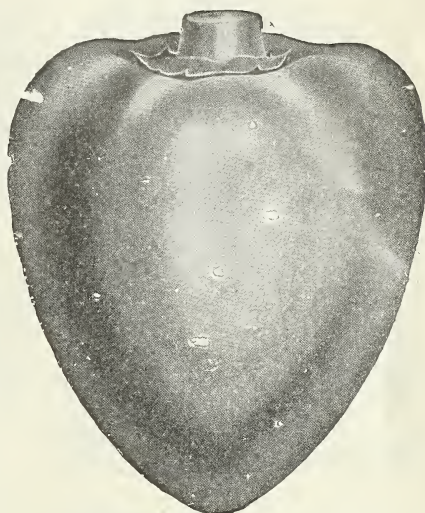
**Red Cherry.** A small round variety of dwarf growth, very piquant and quite ornamental. Per oz., 40c.; per ¼-lb., \$1.50.

**Long Red Cayenne.** Fruit hot, bright red, 4 inches long and slender. Price per oz., 40c.; per ¼-lb., \$1.50.

**Tabasco.** The hottest of peppers, small, bright red when ripe. Price per oz., 60c.; per ¼-lb., \$2.00.

**Small Chili.** Very piquant and prolific. Per oz., 40c.; ¼-lb., \$1.50.

**Red Cluster.** Small thin peppers of a coral red color; very hot and pungent. Per oz., 65c.; per ¼-lb., \$1.75.



PERFECTION PIMENTO.



RED CLUSTER.



POTATOES.

## Potatoes.

As prices of potatoes fluctuate according to supply and demand, it is impossible to make prices for seed stock that will hold throughout the planting season. Catalogue goes to press in December. Quotations will be given on application.

**Irish Cobbler.** A very prolific, early, round, white.

**New Queen.** Early, oblong, light pink.

**Early Norther.** Large size, oblong, light pink.





## Potatoes—Continued.

**Early Harvest.** Large smooth tubers, nearly white

**Early Rose.** True stock, grown in Maine.

**Beauty of Hebron.** A large, oval, pink skin variety.

**Gold Coin.** Large, oval, cream white, second early and good for main crop.

**Delaware.** Large, white, and late.

**Late Rose.** Large, oval, pink skin.

**Green Mountain.** Vines strong and vigorous; tubers white, smooth and large.

**Norcross.** Late, large white, flat oval.

**Carman No. 3.** This is a late Potato, white skin, growing uniformly large.

Also many other varieties not enumerated on this list.

## Pumpkin.

All pkts. Pumpkin  
5c. each

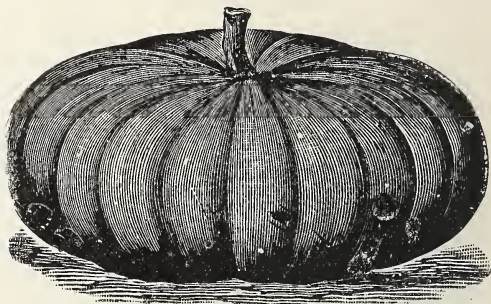
*Kurbis—Calabaza—Zucca.*

Plant about the middle of spring in manured hills eight feet apart, and leave but two or three plants in a hill; or plant in spring with Indian corn. Avoid planting near other vines.

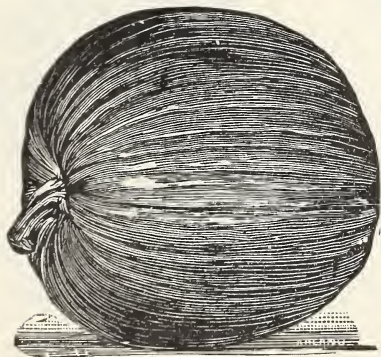
**Sugar. (New England Pie).** Small, orange-colored, sweet and fine grained, finest quality. Per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Winter Luxury.** Medium size, round, russet yellow, used mainly for pies. Per oz., 15c.;  $\frac{1}{4}$ -lb., 40c.; lb., \$1.50.

**Large Cheese.** Cheese shape, creamy yellow color, flesh fine grained. Per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.



LARGE CHEESE.

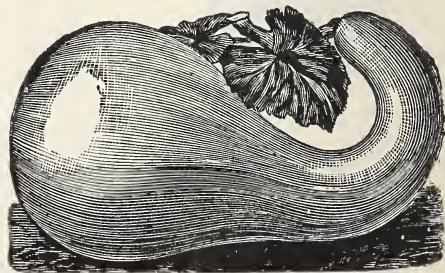


CONNECTICUT FIELD.

**Connecticut Field.** Large, round, orange yellow. Per oz., 5c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 80c.

**Winter Crookneck or Cashaw.** A large 2-foot-long, fine grained class of pumpkins, equally good for cooking (especially for pies) as well as stock feeding. The long neck is always solid; is very prolific and a good keeper. The white or cream colored are the favorite. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Large Tours or Mammoth.** A very large, productive variety. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.



WINTER CROOKNECK.

**King of Mammoths, Jumbo or Potiron.** One of the largest pumpkins; slightly ribbed, skin salmon-orange, flesh bright yellow. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 50c.; per lb., \$1.75.

## Radish.

*Rettig—Rabanos—Ravanelli.*

Sow early varieties in the spring as early as the ground can be worked, in drills ten inches apart, covering the seed half an inch deep; thin the plants to an inch apart in the row, as they are more tender and succulent when grown quickly. A rich, moist, sandy soil should be selected, and frequently watered in dry weather. For a succession, sow every two weeks until midsummer.

**Extra Early Scarlet Turnip.** Matures in about twenty days. Bright red, globe-shaped, small leaved. Price per pkt., 5c.; per oz., 15c.; per  $\frac{1}{4}$ -lb., 50c.; per lb., \$1.50.



Pkts. All Radishes 5c. each

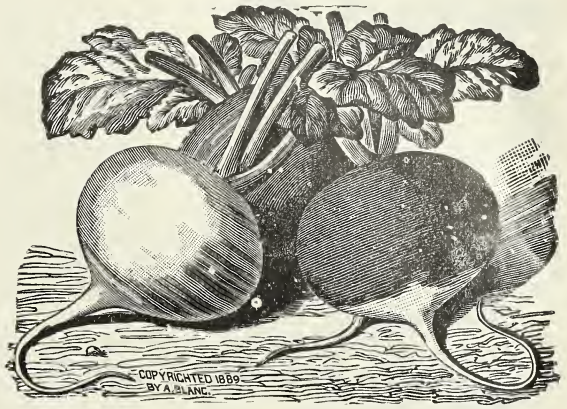
## Radish—Continued.

**Early Scarlet Globe.** One of the best for either forcing or outdoor; globe shaped, bright cardinal color. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Early Scarlet Turnip (White Tipped).** Early, fine grain and flavor, round, with white tip. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Early Scarlet Turnip.** Small, round, mild and crisp. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Olive-Shaped Scarlet.** Very early, oval in shape. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.



TURNIP RADISHES.

**Olive-Shaped White Forcing (Earliest White).** Very mild and fine for forcing or outside planting. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**French Breakfast.** A quick-growing, oval-shaped radish, light color and white tip. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Early Long Scarlet Short Top.** Bright red color, very small tops. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Chartier or Shepherd.** An early summer variety; deep pink, white at the tip. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**White Icicle.** The roots grow about four inches long and are ready for use within twenty-two days from the time of sowing. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**White Summer Turnip.** Round, pure white. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Stuttgart.** A large round, white, solid variety for summer use, but keeping well into fall or winter. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**White Strasburg.** Five inches long, thick at shoulder, tapering abruptly, pure white, firm and brittle; grows to large size. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

## Mixed Radish Seed.

This is a mixture of the different varieties. It is prepared for those who want some of several kinds, but not a full planting of any one variety. As they mature irregularly, the plantings may be less frequent.

**Round and Olive.** Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., 90c.

**Long.** Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

**Winter.** Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 25c.; per lb., 90c.

All pkts. Radish 5c. each.



OLIVE SCARLET RADISH.





ICICLE RADISH.

should not be gathered until the second year.

**Myatt's Victoria.** Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 50c.; per lb., \$1.50.

### Salsify or Oyster Plant.

Sow in early spring, in light, rich soil, in drills fourteen inches apart; thin the plants to three inches in the row. The roots will be ready for use in October; and, like the parsnip, improve by remaining in the ground through the winter.

**Mammoth Sandwich Island.** Roots grow long, smooth and white. Price per pkt., 5c.; per oz., 20c.; per ¼-lb., 60c.; per lb., \$2.00.

**Long White French.** Large, smooth and white. Price per pkt., 5c.; per oz., 20c.; per ¼-lb., 60c.; per lb., \$2.00.

### Sorrel.

Sow early in spring in drills. It is perennial and runs quickly to seed unless kept cut close.



NEW ZEALAND SPINACH.

### Winter Radishes.

**Black Spanish (Round).** For winter use; texture firm and solid. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**Black Spanish (Long).** Like the above, differing only in shape. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**China Rose or Winter.** Very fine for winter use; large and tender. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**California Mammoth White.** A winter sort, grows ten to twelve inches long, three to four inches in diameter, and keeps well. Price per oz., 15c.; per ¼-lb., 35c.; per lb., \$1.25.

### Rape--English.

Forage plants of great value. Its fattening properties about twice that of first-class clover. Of rapid and luxuriant growth, attaining a height of two or three feet. It may be sown throughout the season, and in a few weeks from sowing, stock can be turned in on it. For broadcasting, sow ten pounds to the acre; in drills, five pounds.

**Dwarf Essex.** Used also for greens and salad. Price per lb., 25c.; per 10 lbs., \$2.00; per 100 lbs., \$18.00.

### Rhubarb or Pie Plant.

Rhubarb, familiarly known as Pie Plant, or Wine Plant, is cultivated in gardens for its leaf stalks. Rhubarb succeeds best in deep, somewhat retentive soil, and the richer this is, the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall, or spring, transplant into very highly manured soil, setting them three feet apart each way, and give a dressing of coarse manure every fall. The stalks

SALSIFY  
or Oyster Plant.

### Spinach.

(Get special rates on 100-lb. lots).

For the summer crop sow early in March, and at intervals of a fortnight, till the middle of July, in quantities according to the demand. The round-seeded varieties are the best for summer use. The winter crop should be sown from the middle of August to the beginning of September. It should always be sown in drills, and from twelve to eighteen inches apart, scattering the seed thinly and covering them with the finest soil. Protect the winter crops on the approach of severe frosts.





GIANT THICK LEAF.

**Spinach**—Continued. [All pkts. Spinach 5c. each]

**Norfolk Savoy Leaved.** (Bloomsdale). It is very early, productive and the hardiest, crumpled-leaved, dark green, inclined to run to seed quickly in warm weather. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 50c.

**Victoria.** A very large, round, crumpled-leaved dark green plant, spreading well on the ground, slow to shoot to seed. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 50c.

**Giant Thick Leaf.** Large, heavy heads, medium early. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 50c.

**Long Seasons.** A fine savoy-leaved summer variety, slow to run up to seed stalks, best for mid-summer. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 50c.

**Prickly or Fall.** The hardiest variety; leaves smooth, thick and triangular in form. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 20c.; per lb., 50c.

**New Zealand.** A branching plant of thick, fleshy, succulent growth. It is not strictly of the spinach family. Used same as spinach; flourishes under the intense heat of summer, and continues growing vigorously until killed by frost in most any kind of soil. The young branches are cut or broken off as required. Price per oz., 10c.; per  $\frac{1}{4}$ -lb., 30c.; per lb., \$1.00.

**Squash.**

*Speise Kurbis—Calabaza—Zucche.*

The squash is a very tender vine and so sensitive to cold that it cannot with safety be planted out until the weather becomes warm and settled. Plant in hills ten feet apart for running varieties; five feet for bush sorts; working some fine rich manure into each hill. Sprinkle liberally with plaster, wood ashes, or air-slacked lime, in the early stages of growth. Cultivate until runners are well started.

**Yellow Bush Scallop Summer.** One of the earliest; grows flat, with scalloped edges. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**White Bush Scallop.** Like the above in everything except color, which is creamy white. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Early Summer Crookneck Bush.** Early and productive. Price per oz., 15c. per  $\frac{1}{4}$ -lb., 40c.; per lb., \$1.50.

**Giant Crookneck. (Summer).** Early yellow and warted. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 50c.; per lb., \$1.25.

**Hubbard.** Dark green, hard shelled variety; flesh fine grained, dry and of good flavor. Price per oz., 25c.; per  $\frac{1}{4}$ -lb., 65c.; per lb., \$2.25.

**Warted Hubbard.** Similar in shape and color to the original Hubbard Squash, but larger fruits, with hard, roughly warted surface. Quality of flesh is equal to any of its class. Price per oz., 25c.; per  $\frac{1}{4}$ -lb., 65c.; per lb., \$2.25.

**Golden Hubbard.** In color a bright deep orange yellow. Flesh golden yellow and fine grain, excellent flavor. Price per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.

**Fordhook Bush.** Eight to ten inches long, cream color outside, and straw yellow within. For summer and fall use, very dry and sweet. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 50c.; per lb., \$1.50.

**Boston Marrow.** A superior fall squash, of rich orange color, and very productive. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 35c.; per lb., \$1.25.

**Delicata.** Grows from five to eight inches long. It is slightly ribbed, orange-yellow color, mottled and striped with green; for summer or winter use. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 50c.; per lb., \$1.50.



WARTED HUBBARD.

[All pkts. Squash 5c. each]



**Squash—Continued.****VEGETABLE MARROWS.**

**English.** Very prolific; smooth, cream colored skin; maturing between the early summer and winter sorts. The fruits are best for the table when young or half matured. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 50c.; per lb., \$1.50.

**Italian (Cocozelle Long Green Bush).** Grows from ten to twenty inches long; diameter about four inches; skin smooth, dark green color, marbled yellow or pale green. Price per oz., 15c.; per  $\frac{1}{4}$ -lb., 50c.; per lb., \$1.50.

**Italian Cocozelle Longe.** This is the favorite Italian Marrow and generally allowed to run over brush supports or fences. It is quite ornamental, when trained over the pergola or arbor, furnishing both shade and edible fruits; cream color, two to three feet long and three to four inches in diameter. Price per oz., 20c.; per  $\frac{1}{4}$ -lb., 60c.; per lb., \$2.00.

**VEGETABLE MARROW.****Tobacco.**

Sow the seed in frames the latter part of March, or in the open ground when the soil has become settled and warm. Keep well watered, and when the

plants are two inches high they may be transplanted in rows three feet apart each way. Tobacco requires a very rich, light mellow soil.

**Connecticut Seed Leaf.** The popular variety in this vicinity produces a very heavy crop of fine broad leaves, mostly used for cigar wrappers. Price per pkt., 10c.; per oz., 35c.; per  $\frac{1}{4}$ -lb., \$1.25; per lb., \$4.00.

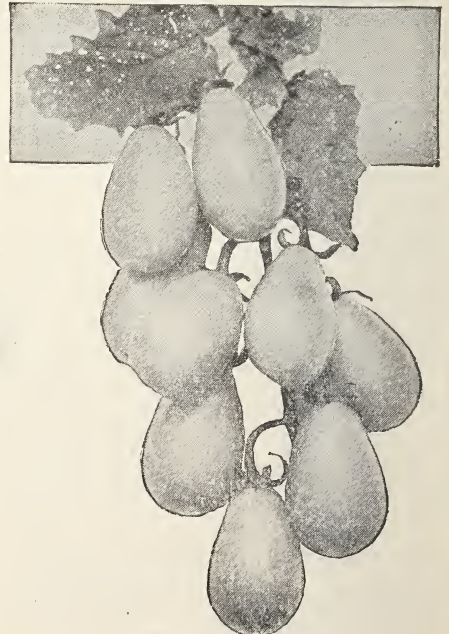
**Havana.** An excellent variety; leaves narrow, long and pointed. Price per pkt., 10c.; per oz., 40c.; per  $\frac{1}{4}$ -lb., \$1.35; per lb., \$5.00.

**TOBACCO.****Tomato.**

*Liebesapfel—Tomatoes—Pomodoro.*

To obtain fruit very early, sow the seeds in greenhouse during February or March, or in hotbed when

season has sufficiently advanced. In about five weeks plants should be transplanted to another hotbed, until about the middle of May, when they may be put into the ground in hills about four

**YELLOW PEAR.**

feet apart each way. The richer the soil the ranker will be the growth of the vines, but an ordinary warm, light soil, with fine, well-rotted manure in the hill, and a sunny location, will produce the more handsome and plentiful fruit.

**Earliana.** Excelling in earliness, medium to large size, and bright red color. Our stock of this extra early we believe equal to the best strain. Per oz., 40c.; per  $\frac{1}{4}$ -lb., \$1.10; per lb., \$4.00.

**Bonny Best.** An early, round, smooth, bright scarlet tomato, of much merit and good for forcing or field culture. Price per oz., 40c.; per  $\frac{1}{4}$ -lb., \$1.10; per lb., \$4.00.

**Chalk's Early Jewel.** Large, bright red, smooth and solid; vines vigorous and heavy cropper, the best all-around or second early. Price per oz., 40c.; per  $\frac{1}{4}$ -lb., \$1.10; per lb., \$4.00.

**Dwarf Champion.** It stands up well, having a stiff bush stem, and ripens early, smooth, crimson, medium in size. Price per oz., 45c.; per  $\frac{1}{4}$ -lb., \$1.20; per lb., \$4.50.

All pkts. Tomato 5c. each



**Tomato—Continued.**

All pkts. Tomato 5c. each
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**Livingston's Stone.** Large, bright scarlet, very smooth, ripening evenly; solid and firm, best for late or main crop. Price per oz., 40c.; per ¼-lb., 90c.; per lb., \$3.50.

**Livingston's Beauty.** Dark red, large size, and smooth. Price per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Acme.** Very prolific; in color a purplish crimson, very smooth and solid. Price per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Livingston's Favorite.** Large, smooth and bright red. It has very few seeds and is very productive. Price per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Trophy.** Large and bright red, solid, smooth; a great yielder. Price per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

**Livingston's Globe.** Large size, very smooth, firm fleshed, few seeds, color a beautiful glossy rose, tinged purple. Price per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

**Ponderosa.** This excels in size, weight and solidity. Its color is light crimson, and almost seedless. Price per oz., 60c.; per ¼-lb., \$1.60; per lb., \$6.00.

**Golden Queen.** A good yellow sort of first quality. Solid, very smooth, large, and ripens early. Price per oz., 40c.; per ¼-lb., \$1.10; per lb., \$4.00.

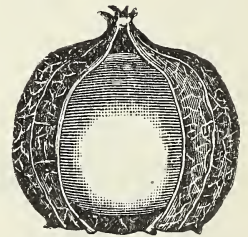
**Yellow Pear.** Pear shaped and used for pickling or preserving. Price per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

**Red Plum.** Similar to the Pear, except in shape, which is full at top instead of tapering, and used for the same purposes. Price per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

**Red Cherry.** A small, round, red tomato; size and shape like a cherry. Price per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

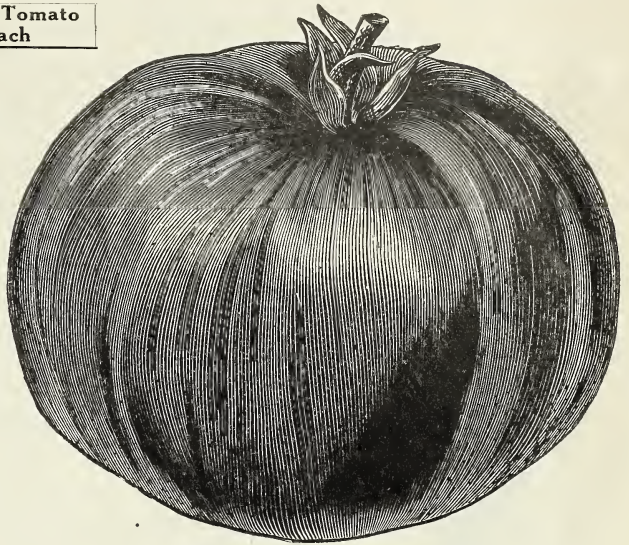
**LIVINGSTON'S NEW GLOBE.**

**Strawberry or Ground Cherry.** This grows in a husk or pod, and may be kept all winter if the husks are not removed. The fruit is yellow and has a very sweet, pleasant flavor; may be eaten raw, but is generally used for preserves. Price per oz., 50c.; per ¼-lb., \$1.35; per lb., \$5.00.

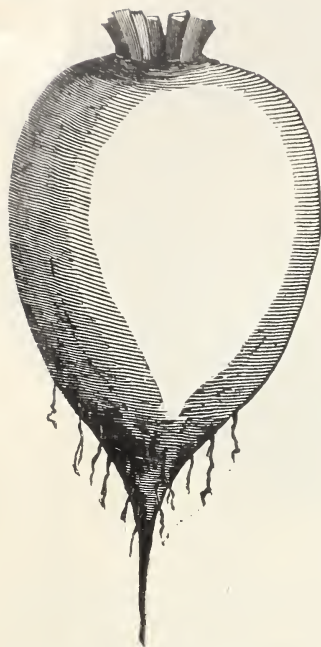
**STRAWBERRY  
or Ground Cherry.****Turnip.***Rube—Nabo—Rape.*

For early use, sow as soon as the ground can be worked in the spring, in drills fourteen inches apart, covering but slightly, except in dry weather. The soil should be light, and if possible, new. Manure with plaster, ashes or phosphate. Thin the early varieties to six inches apart, and the Ruta Bagas from eight to ten inches. For fall and winter use, the early kinds should be sown in July and August and the Ruta Bagas through June. Hoe them a month after sowing.

**Platt's White Egg.** It is an early, very smooth, fine, hard grained, white oval turnip, as its name indicates, and is unsurpassed for table use. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**LIVINGSTON'S STONE.**



**Turnips—Continued.****Pkts. Turnip 5c. each****WHITE EGG TURNIP.**

per oz., 10c.; per ¼-lb., 25c.; per lb., 90c.

**Early White Flat Dutch.** A fine garden variety, differing from White Strap Leaf only in the shape of its leaf, which is broader and rough edged. Price per oz., 10c.; per ¼-lb., 25c.; per lb., 90c.

**Early Red-Top Strap Leaf.** A good flat turnip for early or late culture, and grows to large size. The top of the turnip is red or purple. Price per oz., 10c.; per ¼-lb., 25c.; per lb., 90c.

**Long White or Cow Horn.** A long, quick-growing turnip, fine grained, tender and sweet. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**Red Top White Globe.** Pure white with a red top, excellent table variety. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**Golden Ball.** Rapid grower, globe shaped, and of a deep yellow color, finest quality. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**Yellow Globe.** Grows to a large size, light yellow, and is one of the best for general crop. Price per oz., 10c.; per ¼-lb., 25c.; per lb., 90c.

**Yellow Aberdeen. (Green Top).** This is globe shaped and a good keeper. Price

**GOLDEN RUTA BAGA.****Swedish or Ruta Baga Varieties.**

**Platt's Golden Winter Ruta Baga. (The Best).** This is a fine grained, hard, solid and sweet turnip; is very productive and a good keeper; more wedge or spike shaped than other sorts. Per oz., 15c.; per ¼-lb., 35c.; per lb., \$1.25.

**Early Red-Top Strap Leaf.**

**Laing's Improved Ruta Baga.** One of the earliest Swedes; a desirable variety of excellent quality, globe shaped, flesh yellow, purple skin above ground, yellow beneath, small neck, strap leaved. Price per oz., 10c.; per ¼ lb., 30c.; per lb., \$1.00.

**American Purple Top Ruta Baga.** A very hardy strain, selected for small tops and neck, deep globe-shaped, flesh bright yellow, hard and sweet, excellent for table or stock feeding; very popular with market gardeners. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.

**White French.** Sometimes called White Rock, on account of its firmness and solidity; flesh pure white, mild, very sweet. Price per oz., 10c.; per ¼-lb., 30c.; per lb., \$1.00.





SAGE.



Sweet Basil.



Sweet Marjoram.



Witloof Chicory

## Witloof Chicory.

A crisp, Winter vegetable. Sometimes called French Endive. This makes one of the most delicious of all salads. It is also an excellent dish boiled. The seed is planted in May or June in the open ground and in the fall the roots are dug. The roots are then planted in earth in a dark, cool place in the cellar or under greenhouse bench. Finely balanced, crisp leaves are then thrown out, and when cut new leaves form. The roots keep a long time and may be planted so that a fresh and delicious salad may be had all winter. Fancy fruit and vegetable dealers have imported this vegetable from France on account of its delicious flavor. Price per pkt., 5c.; per oz., 25c.; per ¼-lb., 80c.; per lb., \$3.00.

## Sweet, or Pot and Medicinal Herbs.

A few pot herbs, or sweet herbs, as they are usually called, should have a place in every vegetable garden. A very small space in the garden will give all the herbs needed in any family. The culture is very simple, and the best way is to make a little seed bed in early spring and set the plants out as soon as large enough. As a general rule, it is best to cut herbs when in flower, tie them up in small bunches and hang in the shade to dry.

The following is a list of herbs most cultivated and prized:

	Pkt.	Oz.	¼-lb.	Lb.
Anise .....	5c.	20c.	60c.	\$2.00
Balm .....	5c.	35c.	\$1.00	\$3.50
Sweet Basil .....	5c.	20c.	60c.	\$2.00
Borage .....	5c.	20c.	60c.	\$2.00
Caraway .....	5c.	15c.	40c.	\$1.50
Catnip .....	5c.	30c.		
Coriander .....	5c.	10c.	30c.	\$1.00
Dill .....	5c.	10c.	30c.	\$1.00
Sweet Fennel (large) .....	5c.	15c.	40c.	\$1.50
Horehound .....	5c.	25c.		
Lavender (Spika) .....	5c.	20c.	60c.	\$3.00
Lavender (Vera) true .....	10c.	\$1.00		
Sweet Marjoram .....	5c.	25c.	\$1.10	\$2.50
Rue .....	5c.	60c.		
Sage, Broad Leaf English .....	5c.	40c.	\$1.10	\$4.00
Summer Savory .....	5c.	30c.	80c.	\$3.00
Thyme, Broad Leaf English .....	5c.	60c.	\$1.60	\$6.00
Wormwood .....	5c.	35c.		



Inoculate Your  
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches  
and  
Other Legume Crops

WITH  
**Mulford Cultures**  
FOR LEGUMES

Small Cost      Large Returns      Easy to Use      No Labor Expense



Inoculation saves the cost of expensive nitrate fertilizers. Peas, beans, clovers and all plants of the legume family yield more and better crops when treated with nitrogen-fixing bacteria. This method is endorsed by federal and state agricultural departments. Inoculation will not take the place of all fertilizers or careful soil preparation and attention to the crop, but it does give a wonderful opportunity to co-operate with nature in supplying plants with the otherwise expensive element nitrogen. When ordering state kind of seed to be used on, as each has its own culture. Descriptive circular will be mailed free on application. Cultures for the following:

Alfalfa  
Crimson Clover  
Sweet Clover  
Red Clover  
Alsike Clover  
Cow Peas  
Soja Beans  
Canada Field Peas  
Vetch  
and others

Sweet Peas  
Garden Peas  
Garden Beans  
Lima Beans

### Prices.

One-quarter-acre size .....	\$ .75
One-acre size .....	1.50
Five-acre size .....	5.00
A small size for the last four named only .....	.35



# The Frank S. Platt Company's

## Choice Selection of

# GRAINS, GRASSES AND FARM SEEDS

Our Special Mixture For Lawns, Permanent Pastures and Hay Are Unexcelled



## Farm Seeds.

*Prices on all grass and grain seeds subject to market fluctuations.*

**Sudan Grass.** A new forage crop of great value. Price per lb., 35c.; per 100 lbs., \$30.00.

**Evergreen Broom Corn.** Best for general cultivation; brush fine and long. Price per lb., 20c.; per 100 lbs., \$15.00.

**Sorghum or Early Amber Sugar Cane.** Grows 10 to 12 feet high. Matures early and best adapted to the northern states, for syrup making. Used also for ensilage. Price per lb., 20c.; per 100 lbs., \$15.00.

**Kaffir Corn.** Both grain and fodder are excellent, the whole stalk tender to the full maturity of seed. The grain is used for feeding poultry. Price per lb., 10c.; per 100 lbs., \$8.00.

**Flax Seed.** Price per lb., 20c.; per 100 lbs., \$15.00.

**Sunflower.** Mammoth Russian. Large heads, grown for seeds. Price per lb., 20c.; per 100 lbs., \$16.00.

**Hemp.** Price per lb., 15c.; per 100 lbs., \$12.00.

**Spring Vetches or Tares.** (*Vicia Sativa*). Of the Pea family, round black seeds. Usually sown with oats or barley for fodder. Culture same as field peas, two bushels per acre. Price per lb., 20c.; per 100 lbs., \$15.00.

**Sand, Winter or Hairy Vetch.** (*Vicia Villosa*). Sow in fall or spring, usually with rye for support; grows three to four feet and is ready to cut as soon as bloom appears, and again for seed. Price per lb., 35c.; per 100 lbs., \$30.00.

**Canada Field Peas.** (See page 28). Price per qt., 25c.; per bu., \$5.00.

**Southern Cow Peas.** A valuable crop for plowing under, and especially desirable for light lands. Sow about one and one-half bushels per acre.

**Whippoorwill.** Price: Market. Wright for quotations.

**Clay.** Price: Market. Write for quotations.

**Soja Bean.** Mammoth yellow. Its principal value consists in its uses as a forage crop—for feeding green—and for plowing in as a fertilizer. Price per bu., \$4.00.

**Soja Bean, Hollybrook or Early.** This matures earlier and is a vigorous variety. Price per bu., \$4.50.





Sand, Winter or Hairy  
Vetch.

## Spring Wheat.

*Prices on all grains subject to market fluctuations.*

**Marquis.** Beardless. This is the **\$1,000.00 Prize Spring Wheat**, and also graded A1 flour product at the Saskatchewan Baking Contest. It is a plump, hard, dark red berry, making a fine appearance in bulk. It matures about ten days earlier than our ordinary varieties, bearing its head of good size, well up on good stiff straw. Price per  $\frac{1}{4}$ -bu., 85c.; per bu., \$3.00.

## Winter Wheat.

*Prices on all grains subject to market fluctuations.*

**Ruddy.** (Bearded). Large, long, red grain, stiff straw, good yielder.

**Red Wave.** (Smooth). Medium long, large grain. Golden straw, medium tall and stocky. Heads long, broad, slightly leaning, hence not liable to sprout in fields. Over 49 bushels per acre.

**Fultzo Mediterranean.** (Bald). Short, plump, red berry; stiff straw; ripens early; must be cut before over-ripe.

**Klondyke.** (Bald). White variety of great value; large berry and very productive.

**Dawson Golden Chaff.** (Bald). White, hard variety.

## Buckwheat.

*Prices on all grains subject to market fluctuations.*

**Japanese.** Straw heavier, branches more, and not sown thick as other kinds. Per  $\frac{1}{4}$ -bu., 75c.; bu., \$2.50.

**Silver Hull.** Heavy yielder; berry is light silvery gray color. Per  $\frac{1}{4}$ -bu., 75c.; per bu., \$2.50.

**Common Gray.** An old and well-known variety. Per  $\frac{1}{4}$ -bu., 60c.; per bu., \$2.25.

## Spring Barley.

*Prices on all grains subject to market fluctuations.*

**Two-Rowed Chevalier.** Very large, plump berry. Per  $\frac{1}{4}$ -bu., 85c.; per bu., \$3.00.

**Mansury.** Six-rowed; straw tall and stiff, with long, full heads; stools freely. Per  $\frac{1}{4}$ -bu., 85c.; per bu., \$3.00.

**Six-Rowed.** Common. Per  $\frac{1}{4}$ -bu., 80c.; per bu., \$2.75.

**Beardless.** Similar in appearance to the six-rowed varieties while growing, but the beard does not develop and it is much pleasanter to handle while harvesting and cleaning. It is also better for feeding, as stock do not suffer from the sharp needle-like spines. Per  $\frac{1}{4}$ -bu., 85c.; per bu., \$3.00.

## Rye.

*Prices on all grains subject to market fluctuations.*

**Spring.** It is an excellent catch-crop where winter grain has been killed out, making good straw and fair yield of grain. Price per  $\frac{1}{4}$ -bu., 80c.; per bu., \$3.00.

### FALL OR WINTER.

**Rosen.** A very superior and productive sort from Russia, introduced by the Michigan Agricultural College. The yield is often double that of the common. We exercise care to obtain only pure seed. Price per pk., 85c.; per bu., \$3.00.

**Choice Common.** This is the ordinary variety sown in the fall. Our seed is from choice selected stock. Price per  $\frac{1}{4}$ -bu., 60c.; per bu., \$2.00.

## Oats.

*Prices on all grains subject to market fluctuations.*

**Choice White.** Price per  $\frac{1}{4}$ -bu., 35c.; per bu., \$1.00.

**Lincoln.** Enormously productive, early stiff straw, thin hull and heavy meated. Per  $\frac{1}{4}$ -bu., 40c.; per bu., \$1.20.

**Cluster White Oats.** Medium early, heavy white grain. Per  $\frac{1}{4}$ -bu., 40c.; per bu. of 32 lbs., \$1.30.

**Swedish.** Early white, stiff straw, very heavy and prolific. Per  $\frac{1}{4}$ -bu., 45c.; per bu., \$1.50.

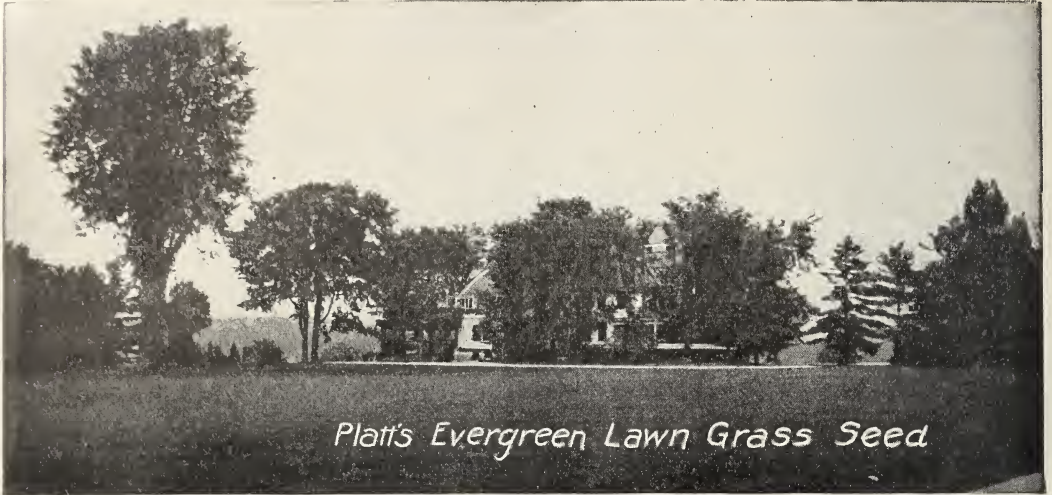


Japanese Buckwheat.



# OUR SPECIAL GRASS MIXTURES

Owing to Market Fluctuations We Will Give Special Quotations for Bulk Seeds.



## Grass Seed for Lawns, Etc.

In laying out a piece of ground for a lawn, care should be exercised to obtain the proper grade and slope, and perfect the general plan of the ground before attempting to sow any seed at all. After the correct grade has been obtained and the surface sufficiently plowed or spaded, it should be thoroughly harrowed to pulverize the lumps and so left that there may be at least from five to ten inches of good rich soil over the whole surface. Then all the roots and loose stones should be removed, and the surface brushed or raked down perfectly smooth, and in a suitable condition for successful germination and growth of the fine seed, which is used for seeding. The preparation of most lawn seeds is composed of the finest kind of grasses, and for that reason should be sown much thicker than the coarse sorts that are used in field seeding. After sowing the seed, rake or harrow the surface lightly, and then roll thoroughly, to smooth off, and leave in good condition.

### Edgewood Park Lawn Grass Seed.

**OUR SPECIAL MIXTURE.** This formula is prepared on a well-balanced and carefully considered valuation of the **fine dark green varieties** in combination with our **indigenous frost-proof, heat-resisting grasses**, and we are satisfied that we have the very best combination of grasses for lawn making (without white clover) that our experience can produce. All the seeds used in this mixture are of exceptional purity, graded, **fancy re-cleaned**. On account of their concentrated character and purity, much less bulk is required for a given area. Sold by weight only. Price per lb., 35c.; per 10 lbs., \$3.25; per 100 lbs., \$30.00.

### Country Club Golf Links.

A good article for large areas, or seeding the grounds about the new home. It is prepared with a well-balanced proportion of fibrous-rooted grasses that alone are the perfect composition of a firm, tenacious turf. These varieties are not selected with especial reference to their height, as that feature is regulated by the lawn mower, but more particularly the turf-forming properties and continuity of development, thus insuring a succession of ripening. Per qt., 25c.; per  $\frac{1}{4}$ -bu., 75c.; per  $\frac{1}{4}$ -bu., \$1.35; per bu., \$5.00.

### Platt's Evergreen Lawn Mixture.

This mixture is the finest in quality that we prepare for general situations. It is composed of a judicious combination of the short fine growing varieties that have proved most valuable. It is perfectly adapted to the soil and climate of New Haven, as evidenced by the many beautiful lawns and parks that have been developed and seeded with "Platt's Evergreen Lawn Mixture" for more than a quarter of a century. Price per qt., 30c.; per  $\frac{1}{4}$ -bu., \$1.00; per  $\frac{1}{4}$ -bu., \$1.75; per bu., \$6.00.

### Fine Lawn Grass Seed--Fine Mixture.

This is composed entirely of indigenous grasses of the finer grades, and in sufficient variety to produce throughout the spring, summer and autumn very satisfactory results. Price per qt., 20c.; per  $\frac{1}{4}$ -bu., 60c.; per  $\frac{1}{4}$ -bu., \$1.10; per bu., \$4.00.

### Woody Crest or "Shady Nook."

Many beautiful lawns are marred by bare spots under trees and near ornamental shrubbery or buildings. The **Woody Crest Lawn Seed** is the happy solution of this difficulty, and if applied under proper conditions of soil preparation, cannot fail of satisfactory results.

Our **Woody Crest** is composed mainly of short fine grasses that abound in similar situations; made up exclusively for places that get but little sunshine.

For best results the land must be dug deeply, removing roots of trees and vines, these being mainly responsible for lack of grass roots. A heavy coat of manure, dug in, and a dressing of bone, when seeding, should complete the necessary preparation. Per qt., 25c.; per  $\frac{1}{4}$ -bu., 75c.; per  $\frac{1}{4}$ -bu., \$1.35; per bu., \$5.00.





## Hay and Pasture Grass Seeds.

*Prices subject to variation. Special quotations for large quantities.*

**Mixture for Hay and Permanent Pasture.** Consists of a number of grasses long recognized as the best combination for this latitude; two bushels per acre. Price per  $\frac{1}{8}$ -bu., 75c.; per bu. of 20 lbs., \$5.00.

**English Rye Grass.** A nutritious, permanent grass for meadows and pastures, also for mixing with others for lawns. Price per lb., 17c.; per 100 lbs., \$15.00.

**Red Top, Unhulled.** (*Agrostis Vulgaris*). Clean, heavy seed in its shell or cover. Grades between chaff and fancy. Price per qt., 20c.; per lb., 15c.; per 100 lbs., \$12.00.

**Red Top, Fancy Cleaned.** Absolutely pure seed. Price per lb., 25c.; per 100 lbs., \$20.00.

**Rhode Island Bent.** (*Agrostis Canina*). A valuable grass for lawns.

Light seed. Per qt., 25c.; per lb., 30c.; per 100 lbs., \$25.00.

Heavy recleaned seed. Per lb., 40c.; per 100 lbs., \$35.00.

**Fancy Kentucky Blue.** (*Poa Pratensis*). Valuable for lawns when mixed with other varieties, retaining its verdure in the hottest weather. Extra heavy cleaned seed. Per lb., 40c.; per 100 lbs., \$35.00.

**Canada Blue.** (*Poa Compressa*). A hardy perennial grass, with creeping rootstalks, forming a close and durable turf. It grows on the poorest and driest soils, standing extremes of wet or drought, and keeping green until the severe frosts of winter. It is distinguished from the Kentucky Blue Grass by its flattened, wiry stems and bluer color. (14 lbs. to the bushel). Price per lb., 30c.; per 100 lbs., \$25.00.

**Meadow Fescue or English Blue Grass.** (*Festuca Pratensis*). A highly valuable species for per-

manent grass land. It does not, however, attain to its full productive power till the second or third year, when it far exceeds most other sorts in the quantity of its produce and nutritive matter. Per lb., 30c.; per 100 lbs., \$25.00.

**Red Fescue** (or **Creeping Fescue**). It thrives on dry, sandy soils, forming a good turf surface, especially valuable for lawn and golf course mixtures.

**Hard Fescue.** A valuable grass for dry lands and pasture mixtures, also used to some extent for lawns, on account of its fine dwarf habit, but inclined to grow in bunches unless sown very thick. Per lb., 35c.; per 100 lbs., \$30.00.

**Various Leaved Fescue.** (*Festuca Heterophylla*). A tuft-forming grass with narrow blades and fine brush-like narrow bottom leaves. Very good for mixtures, thrives on light soils and partial shade.

**Wood Meadow.** (*Poa Nemoralis*). It makes a very early growth in spring and is strongly recommended for pasture, thriving well under close feeding, also valuable in lawn mixture.

**Orchard Grass.** (*Dactylis Glomerata*). One of the most desirable pasture grasses for stock and for shady places. Per lb., 25c.; per 100 lbs., \$20.00.

**Sweet Vernal.** (*Anthroxanthum Odorum*). True perennial sweet vernal. Useful to mix with other grasses for pastures and lawns, on account of its early growth, emitting an agreeable odor when cut for hay. Per lb., 85c.; per 100 lbs., \$80.00.

**Timothy.** (*Phleum Pratense*). A well-known grass, and on some soils it will produce a larger crop than any other variety. We carry a large stock of this seed, which is graded as "Prime," "Strictly Prime" and "Choice." Prices on application.



## Millets.

Prices given on application.

**Hungarian Millet.** Early; height two or three feet; abundant foliage and small heads; yields well on light soils. Per lb., 10c.; per 100 lbs., \$6.00.



**GOLDEN MILLET.**

**Common or Golden.** Grows from two to four feet high, heads single and similar to Hungarian, though larger and with bright yellow oval seeds. Price per lb., 10c.; per 100 lbs., \$5.50.

**True Southern or Tennessee Millet.** Equal in quality to any of the other millets and far superior in yield, growing from three to five feet high, with abundant foliage, and terminating with large seed heads, formed by numerous panicles of small, round, bright golden yellow seeds. Price per lb., 10c.; per 100 lbs., \$7.00.

**Japanese or Barn Yard.** Forage plants of great value, growing luxuriantly on most any soil and under indifferent conditions. It will grow in seasons of extreme drought, and attain a height of six feet. Per lb., 10c.; per 100 lbs. and over @ \$8.00.

## Clover.

**Alsike or Hybrid Clover.** (*Trifolium Hybridum*). Even poorly drained lands will produce a good crop of this; perennial and very hardy. It is very valuable both for pasturing and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Price on application.

**Crimson Trefoil or Scarlet Italian Clover.** (*Trifolium Incarnatum*). An annual, valuable as a cover crop, soil improver or for fodder; attains a height of eighteen inches with pointed bright crimson blossom. It is not reliably hardy north of Philadelphia. Price on application.

**White Clover.** (*Trifolium Repens*). Thrives best in damp locations, and while not a heavy producer, it is valuable in permanent pastures. In connection with Blue Grass it affords the most nutritious food for sheep and cattle, and also makes a fine mixture for lawns.

**Choice.** Per oz., 10c.; per ¼-lb., 20c.; per lb., 70c.; 25 lbs. and over, price on application.

**Prime.** Price on application.

**Sweet Clover.** (*Melilotus Alba*). Valuable biennial, thrives almost anywhere except on acid soils. One of the greatest plants known for soil improvement; feed value equal to alfalfa; used extensively by bee-keepers. Sow at rate of 18-20 lbs. per acre; April or August usually most satisfactory. Price on application.

**Red Clover, Medium.** (*Trifolium Pratense*). The common variety, used with other grasses for either pasture or meadow. Prices on application.

**Red Clover, Mammoth or Pea Vine.** Grows much taller than medium, with large, coarse stalks, and is largely used for plowing under for green manure. Prices on application.

**Alfalfa.** (*Medicago Sativa*). Very productive, succeeds in any good soil that is well drained and not acid; lasts for a number of years. It thrives on dry, rich, sandy soil, producing three to four cuttings annually, and even in seasons of severe drought it is always fresh and green, because the roots extend so deep into the soil. It grows two to three feet high with purple blossoms. Sow 20 to 25 lbs. per acre. Price on application.

**Grimm.** This is the very hardy variety which has given such satisfaction in our northeastern states. Price on application.







# Platt's

## Selected

# FLOWER SEEDS

*are grown with care and conscientious efforts  
to obtain the best results.*

### Abronia.

Extremely pretty creeping annual; verbena-like heads of sweet-scented flowers; very effective in beds, rock work or hanging baskets.

**Umbellata.** Rosy lilac. White eye. Price per oz., 60c.; per pkt., 10c.

### Abutilon.

A tender perennial shrub, producing bell-shaped drooping flowers of various colors.

**Finest Mixed.** Price per ¼-oz., \$1.00; per pkt., 10c.

### Acacia.

Greenhouse shrub, ornamental foliage; flowers of various shades.

**Finest Mixed.** Per oz., 25c.; per pkt., 5c.

### Acroclinium.

Pretty summer-flowering annuals, bearing quantities of large, double, everlasting flowers, of white, rose, etc.

**Double Rose.** Per oz., 50c.; per pkt., 5c.

**Double White.** Per oz., 50c.; per pkt., 5c.

**Double Mixed.** Per oz., 50c.; per pkt., 5c.

### Adonis.

Showy border flowers, with pretty, fine-cut foliage, hardy annual, lasting a long time in bloom.

**Aestivalis.** (Flos Adonis). Scarlet. Per oz., 30c.; per pkt., 5c.

### Ageratum.

A Mexican flower of bush-like appearance, suitable for bedding or pot culture. Blooms continually. Annual.

**Blue Perfection.** Fine dwarf, dark blue, eight inches. Per oz., 75c.; per pkt., 10c.

**Imperial Dwarf White.** Eight inches. Per oz., 50c.; per pkt., 5c.

**Imperial Dwarf Blue.** Clear blue, eight inches. Per oz., 50c.; per pkt., 5c.

### Agrostemma.

An attractive, free-flowering hardy perennial, producing flowers on long, slender stems like a single pink; blossoms the first season.

**Coronaria.** (Rose of Heaven). Dark blood red. Price per oz., 35c.; per pkt., 5c.

### Alyssum Sweet.

A very pretty little plant for edging or ribbon lines, blooming all summer. Hardy annual.

**Maritimum.** (Sweet Alyssum). Fragrant white; flowers all summer. Per oz., 25c.; per pkt., 5c.

**Carpet of Snow.** Two to three inches high. Fine for edging. Price per oz., 50c.; per pkt., 5c.

**Compactum, Little Gem.** Grows erect; six inches. Price per oz., 50c.; per kt., 5c.

**Saxatile Compactum.** Single plants produce many hundred of bright yellow flower-heads; one foot. Price per oz., 75c.; per pkt., 5c.

### Amaranthus.

Ornamental foliage plants of extremely brilliant and showy colors. Half-hardy annual.

**Tricolor.** (Joseph's Coat). Leaves yellow, red and green. Price per oz., 75c.; per pkt., 5c.

**Caudatus.** (Love Lies Bleeding). Flowers in bunches of long, drooping, chenille-like tassels. Price per oz., 30c.; per pkt., 5c.

**Salicifolius.** (Fountain Plant). Gracefully drooping, willow-shaped leaves. Price per oz., 75c.; per pkt., 5c.

**Fine Mixed.** Per oz., 30c.; per pkt., 5c.

### Ampelopsis.

**Veitchii.** (Boston or Japanese Ivy). Valuable hardy climber, clinging to stone or brick walls, ivy green foliage. Price per oz., 50c.; per pkt., 5c.



## Antirrhinum.

### Snapdragon.

One of the most useful summer-flowering perennials, producing long spikes and beautiful bright-colored flowers the first season.

<b>Giant Sulphur Yellow.</b> Pure soft yellow	Oz.	Pkt.
low	\$1.00	10c.
<b>Giant Queen Victoria White</b> .....	1.00	10c.
<b>Giant Venus.</b> A delicate pink		10c.
<b>Giant Kermesinum Scarlet.</b> Very brilliant	1.00	10c.
<b>Giant Flowering.</b> Mixed colors	.75	5c.
<b>SEMI-DWARF.</b>		
<b>Bride Pure White</b> .....	1.00	10c.
<b>Golden Queen</b> .....	1.00	10c.
<b>Defiance. Fiery Scarlet</b> .....	1.00	10c.
<b>Mixed</b> .....	.75	5c.

## Aquilegia.

### Columbine.

A very showy class, with curiously shaped blossoms in great variety of colors; ranks among the finest early flowering plants. Hardy perennials.

<b>Chrysantha.</b> Golden spurred flowers	Oz.	Pkt.
.....	\$2.00	10c.
<b>Chrysantha Alba.</b> Pure white, long spurs	2.00	10c.
<b>New Long Spurred Hybrids.</b> A very large variety and possesses all the desirable colorings of the smaller class of double flowers	4.00	10c.
<b>Double Varieties.</b> In finest mixtures	.60	5c.
<b>Single Large Flowered Hybrids.</b> All colors mixed	.60	5c.

## Aristolochia.

**Sipho.** (Dutchman's Pipe). Luxuriant, hardy climber with large, dense foliage; flowers small and curiously formed, resembling a Dutchman's pipe. Thirty feet. Price per oz., \$1.50; per pkt., 10c.

## Asparagus.

**Plumosa Nanus.** Tender climber with fern-like foliage. Per 100 seeds, \$1.00; per pkt., 25c.

**Sprengeri.** Decorative perennial with drooping fronds. Per 100 seeds, 50c.; per pkt., 10c.

## Asperula.

A profuse blooming hardy annual, attaining an average growth of one foot. The flowers, which are beautiful light blue, are very sweet scented, and last a long time in perfection.

**Azurea Setosa.** Grows about 9 inches high and covered throughout the summer with light lavender fragrant flowers. Per oz., 30c.; per pkt., 5c.

**Odorata.** (Sweet Woodruff). The dried flowers and leaves have a delicious fragrance and impart an agreeable perfume to clothes, etc., when kept among them. Price per oz., \$1.00; per pkt., 5c.

## Platt's Superb Asters.

We wish to call special attention to our selection of this popular annual. The seed here offered is grown with the utmost care. No pains have been spared to bring each variety to its present high state of perfection, the very best it is possible to produce. For such seed, our prices are very moderate.

To appreciate asters grow them in separate colors and varieties and have them from July until hard frost.

**Collection.** One packet each of any 6 sorts, 50c.

**Collection.** One packet each of any 13 sorts, \$1.00.

**Collection.** One packet each of any 20 sorts, \$1.50.

## Asters.

**Queen of the Market.** The very best first early large flowering, perfectly double, of branching habit, good form and stem, about two weeks earlier than late branching.

	Pkt.	¼-oz.	Oz.
Lavender .....	5c.	40c.	\$1.50
Peach Blossom .....	5c.	40c.	1.50
Purple .....	5c.	40c.	1.50
Rose .....	5c.	40c.	1.50
White .....	5c.	40c.	1.50
Mixed .....	5c.	40c.	1.50

**Royal Asters.** In season they are earlier than late branching, but same size; broad petals more incurved, plants distinct. The stems grow long and directly from the ground instead of being branches off the main stem.

	Pkt.	¼-oz.
Royal Purple .....	10c.	60c.
Royal Lavender .....	10c.	60c.
Royal Shell Pink .....	10c.	60c.
Royal White .....	10c.	60c.



ASTER, PLATT'S LATE BRANCHING.

**Platt's Superb Late Branching.** Undoubtedly the most popular, and deservedly so. It has been called "Money Maker," always demanding



Asters—Continued.

the highest price. While there are many other beautiful varieties for the colors here listed, they are unexcelled as a standard. Plants large, vigorous, branching, with strong stems. Flowers of great size, very full to the center. Our strain of this superb aster has been grown for us with such care we unhesitatingly believe it is unsurpassed.

	Pkt.	¼-oz.	Oz.
Lavender .....	10c.	40c.	\$1.50
Shell Pink (Mary Semples)....	10c.	40c.	1.50
Purple .....	10c.	40c.	1.50
Rose .....	10c.	40c.	1.50
White .....	10c.	40c.	1.50
Mixed .....	10c.	40c.	1.50

**Imperial Daybreak Pink.** Delicate shell pink, globe-shaped, well known, medium early. Price per pkt., 10c.; per ¼-oz., 75c.

**Imperial Lavender Daybreak.** Like Daybreak except in color, delicate shade. Price per pkt., 10c.; per ¼-oz., 75c.

**Imperial Purity.** Pure white, otherwise identical to Daybreak. Price per pkt., 10c.; per ¼-oz., 75c.

**Pink Enchantress.** New, of upright habit, color exquisite, form perfect, the outer petals standing out more so than late branching. Price per pkt., 10c.; per oz., \$1.50.

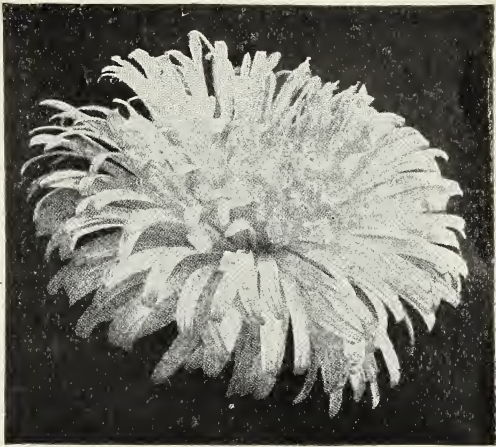
**Mikado or Rochester.** The most valuable Comet variety. Has every good feature in regard to size, form and vigor. The petals are very long, narrow and gracefully reflexed, towards center beautifully curved and twisted. Mikado White flowers immediately after Queen of the Market, while the pink comes in just before late branching. In general the plants are like Hoenzollern and Crego, which we have dropped from the list, as this is the finest Comet type to-day. Mikado Pink, or Rochester, adopted as the official flower of that city.

	Pkt.	¼-oz.	Oz.
Pink Rochester .....	10c.	60c.	\$2.00
Lavender Rochester .....	10c.	60c.	2.00
Shell Pink Rochester .....	10c.	60c.	2.00
Purple Rochester .....	10c.	60c.	2.00
White Rochester .....	10c.	60c.	2.00

**Astermum.** A new strain of comet type, so named because of its resemblance to the chrysanthemum; comes into bloom a little earlier than Crego. Our mixture includes pure white, shell pink, lavender pink, rose, lavender and purple. Mixed, per pkt., 10c.; per ¼-oz., 60c.

**King Asters.** The plants are similar in growth to the late branching, except the white and rose, which are more upright. The flowers are distinct, having long, narrow, folded petals, presenting a most pleasing and beautiful appearance. Blooms about the same time as late branching.

	Pkt.	¼-oz.	Oz.
Lavender .....	10c.	60c.	\$2.00
Pink King .....	10c.	60c.	2.00
Violet King .....	10c.	60c.	2.00
White King .....	10c.	60c.	2.00
Mixed King .....	10c.	60c.	2.00



ASTER MIKADO OR ROCHESTER.

Auricula.

*Priula Auricula.*

Charming half-hardy plant producing in May, handsome trusses of very beautiful sweet-scented flowers, varying in color from creamy white to golden yellow, and from the palest mauve to the deepest purple. Sow in June. Price per ¼-oz., \$2.00; per pkt., 20c.

Balloon Vine.

*Cardiospermum—Love in a puff.*

Rapid-growing climber, remarkable for its inflated seed pods, from which it is sometimes called "Balloon Vine." Annual.

**Halicacabum.** White. Per oz., 25c.; per pkt., 5c.

Balsam.

They are among the showiest and most popular of our summer garden annuals, forming bushy plants, covered with large double flowers of brilliant colors.

**Double Camellia Flowered.** Finest Mixed. Price per oz., 75c.; per pkt., 5c.

**White Perfection.** Camellia flowered. Large double, pure white. Per oz., \$1.00; per pkt., 10c.

**Double Scarlet.** Camellia flowered. Price per oz., \$1.00; per pkt., 10c.

**Salmon King.** Bright salmon pink; very early and double. Price per oz., \$1.00; per pkt., 10c.

Balsam Apple.

(See *Mormodica*.)

Bartonia.

Showy garden annual with bright yellow flowers. 1½ ft. Price per oz., 50c.; per pkt., 5c.

Begonia.

Sow in February or March in pots, without any covering of earth. Cover with glass and keep in a warm but shaded place. The plants will give an abundance of bloom the first year, and if properly kept, tubers will flower more freely than before.



**Begonia—Continued.****TUBEROUS-ROOTED BEGONIAS.**

**Single Mixed.** Splendid large flowered. Price per ½-oz., \$3.00; per pkt., 25c.

**Double Mixed.** From a very rich collection. Price per ½-oz., \$10.00; per pkt., 35c.

**Double Mixed Fringed.** New, beautiful hybrid. Price per ½-oz., \$8.00; per pkt., 50c.

**FIBROUS-ROOTED BEGONIAS.**

Of the kinds offered under this head, Begonia Rex is grown for its very attractive ornamental foliage, while the others are among the most desirable for flowering in the house, or in partly shaded locations outdoors.

**Erfordia Grandiflora Superba Semperflorens.** Rosy carmine, a beautiful free bloomer. Price per ½-oz., \$4.00; per pkt., 25c.

**Prima Donna.** New, large flowers, limpid rose, shading to carmine. Price per ½-oz., \$6.00; per pkt., 25c.

**Vernon.** Flowers brilliant rich red, bronze leaves. Price per ½-oz., 75c.; per pkt., 10c.

**Semperflorens Mixed.** A variety well adapted for house or outdoor culture. Plants of compact dwarf habit, and are continuous bloomers. Price per ½-oz., 75c.; per pkt., 10c.

**Rex.** Ornamental leaved varieties; finest mixed. Price per 1,000 seeds, \$1.50; per pkt., 25c.

**BELLIS PERENNIS.****Bellis Perennis.***Double Daisy.*

Prefers a cool, sheltered situation, and needs some protection in winter. Flowers are quilled or flat petaled, white, red or variegated. Half-hardy perennial.

**Longfellow.** Fine, large, double dark rose flowers. Price per ¼-oz., 75c.; per pkt., 10c.

**Snowball.** Pure white, large and very double. Price per ¼-oz., \$1.00; per pkt., 10c.

**Monstrosa Red.** Double and unusually large flowers, red shading to rose. Price per ¼-oz., \$2.00; per pkt., 20c.

**Monstrosa Double Mixed.** Price per ¼-oz., \$2.00; per pkt., 20c.

**Brachycome.***Swan River Daisy.*

A delicate dwarf, half-hardy, annual, effective for edging, beds or rustic baskets. Produces an abundance of daisy-like flowers about an inch in diameter and in shades from dark blue to nearly white. Price per oz., 75c.; per pkt., 5c.

**Browallia.**

Profuse blooming plants, continuing throughout the summer, studded with blue and white flowers, growing freely in any rich soil. Half-hardy annual.

**Speciosa Majus.** Splendid large, blue flowers. Price per ½-oz., \$4.00; per pkt., 15c.

**Elata Alba.** Pure white. Price per oz., 75c.; per pkt., 5c.

**Mixed.** Price per oz., 75c.; per pkt., 5c.

**Cacalia.***Tassel Flower.*

A pretty half-hardy annual, with tassel-shaped flowers, scarlet and golden yellow. Blooms from July to September.

**Mixed Colors.** Price per oz., 50c.; per pkt., 5c.

**Calandrinia.**

Very pretty plants, succulent stems and fleshy leaves, belonging to the Purslane family. Annual.

**Grandiflora.** Large flowered rosy pink. Price per oz., 75c.; per pkt., 5c.

**Calceolaria.**

Splendid plants for greenhouse decoration, forming in spring dense masses of beautiful pocket-like flowers. The seeds germinate best without heat, and should be grown in pans or pots.

**Hybrida Grandiflora Mixture.** Giant strain, large flowers, very choice. Mottled and spotted. Price per ½-oz., \$5.00; per pkt., 25c.

**Calliopsis.***Black-Eyed Susan.*

**Calliopsis** (see also Coreopsis).

Few, if any, annuals are more useful than these; the colors are rich and striking; flowers numerous and beautiful. Annual.

**Ray of Gold.** A beautiful new variety. Flowers golden yellow, with dark purplish brown center. Price per oz., 50c.; per pkt., 5c.

**Coronata.** Large single yellow flowers. Price per oz., 30c.; per pkt., 5c.

**Golden Wave. (Drummondii).** Plants very bushy and compact, and covered with large golden blossoms having dark centers. Price per oz., 50c.; per pkt., 5c.

**Nigra.** Fine Crimson. Per oz., 50c.; per pkt., 5c.  
**Double.** Rich golden, yellow, maroon spotted. Price per oz., 30c.; per pkt., 5c.

**Fine Mixed Single.** Per oz., 30c.; per pkt., 5c.

(For Perennial varieties, see Coreopsis.)





CALENDULA METEOR.

## Calendula.

*Pot Marigold.*

Showy, free flowering hardy annuals growing in any good garden soil, producing a fine effect in beds or mixed borders and continuing in bloom until killed by frosts.

**Meteor.** Large double light yellow flowers, striped with bright orange. Price per oz., 25c.; per pkt., 5c.

**Pongei, fl. pl.** Double white. Price per oz., 30c.; per pkt., 5c.

**Favorite.** Large, double, canary yellow. Price per oz., 25c.; per pkt., 5c.

**Prince of Orange.** Grows from ten to twenty inches in height, with a profusion of flowers during the entire summer. Color is rich dark orange. Price per oz., 25c.; per pkt., 5c.

**Double Mixed.** Price per oz., 25c.; per pkt., 5c.

## Campanula.

Hardy, herbaceous perennials, bearing attractive bell flowers, thriving best in light rich soil; some of the varieties flower first season if planted early. *Carpatica* is fine for beds, edgings and ribbon gardening.

**Campanula Pyramidalis.** Large flowers of a beautiful blue, borne on spikes 3 to 4 feet tall. Price per oz., 75c.; per pkt., 5c.

**Carpatica Blue.** Single. Free flowering; continuing in bloom the whole season; hardy perennials; six inches. Price per oz., 60c.; per pkt., 5c.

**Carpatica Alba.** Price per oz., 60c.; per pkt., 5c.

**Persicifolia Mixed.** Blue and white. Single, flowering in July and August. 2 to 3 feet. Price per oz., \$2.00; per pkt., 10c.

## Canary Bird Flower.

*Tropaeolum Canariensis.*

An ornamental creeper, with bright, yellow fringed flowers, resembling a canary bird with wings, partly spread, and finely divided foliage.

**Yellow.** Price per oz., 35c.; per pkt., 5c.

## Candytuft.

Seed sown in April, flowers from July to September, and some of the sorts till frost comes. All the varieties are hardy and easy to cultivate. Single plants look well and bloom profusely. Hardy annuals, one foot high.

**Empress or White Giant Hyacinth Flowered.** Pure white flowers, borne on candelabra-shaped plant. Price per oz., 50c.; per pkt., 5c.

**Carmine.** Rich red. Per oz., 30c.; per pkt., 5c.

**Crimson.** Dark red. Per oz., 30c.; per pkt., 5c.

**Lilac.** Delicate violet. Per oz., 30c.; per pkt., 5c.

**White Fragrant.** Per oz., 20c.; per pkt., 5c.

**White Rocket.** Per oz., 30c.; per pkt., 5c.

**Mixed Colors.** Price per oz., 20c.; per pkt., 5c.

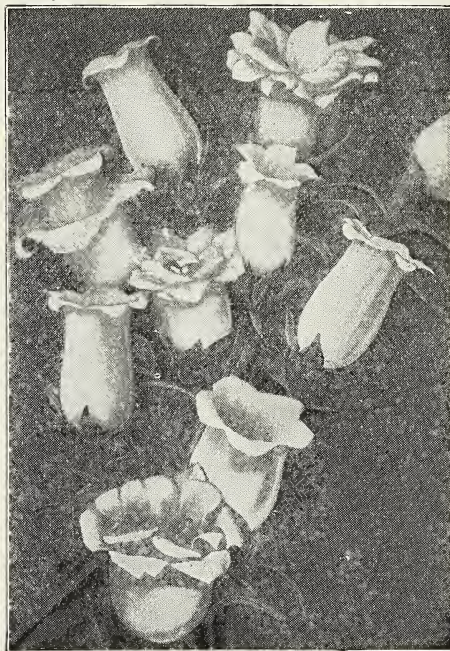
**Perennial.** (*Iberis Sempervirens*). Hardy, low growing, compact plant; blooms early in spring in masses of pure white. Fine for border edges or cemetery planting. Price per oz., \$2.50; per pkt., 10c.

## Canna.

*Indian Shot.*

The seed shells are very hard, and to facilitate germination it is a good plan to soak them in warm water ten to twelve hours before planting.

**Dwarf Large Flowered French.** The flowers range through all the shades of yellow and orange to the richest crimson, scarlet and vermilion; some are also beautifully spotted. Mixed. Price per oz., 25c.; per pkt., 10c.



CAMPANULA CALYCANTHEMA.



## Canterbury Bells.

**Single Mixed.** Beautiful, large, bell-shaped flowers; hardy biennials; two feet. Per oz., 75c.; per pkt., 5c.

**Double Mixed.** Two feet. Per oz., \$1.50; per pkt., 5c.

**Calycanthema.** (Cup and Saucer.) This is the finest variety of Campanula, producing plants with white and blue flowers, resembling cup and saucer. **Single mixed.** Per oz., \$2.00; pkt., 10c.

## Cardinal Climber.

A new vine, being a cross between Cypress Vine and Ipomea Coccinea. Height, 25-30 ft.; foliage ornamental, fern-like. Flowers borne in clusters are size of a half-dollar and intense red. Seeds have a hard shell and should be either soaked in warm water or chipped to aid germination. Requires a warm soil, as do all Ipomeas. Per pkt., 10c.; per oz., \$3.00.

## Carnation.

Carnations and Picotee Pinks are general favorites for their delicious fragrance and richness of colors. The seed we offer will produce many splendid novelties in double or semi-double flowers; protect during the winter; half-hardy perennials; 1½ feet.

**Marguerite.** Flowers four months after sowing the seed; its profusion of bloom, variety of beautiful colors and delicious perfume insures its popularity in all gardens where cut flowers are in demand. Per oz., \$1.25; per pkt., 10c.

**Giant Flowered Marguerite.** A very choice strain of this favorite by most careful selection seed saved only from largest blooms. Per oz., \$2.50; per pkt., 15c.

**Chabaud's Everblooming.** A new French introduction; very double and blooms in five months after sowing. Large, finely colored flowers; choice finest quality. Mixed colors. Per oz., \$3.00; per pkt., 25c.

**Fine Double Mixed.** Perpetual, large flowers of splendid colors, fine for open ground; protect in winter; blooms second summer. Per oz., \$2.00; per pkt., 15c.

## Castor Oil Bean.

(See Ricinus.)

## Celosia or Cockscomb.

A very desirable and showy plant, producing large combs of crimson or yellow flowers. The "Cristata" sorts are the well-known Cockscombs.

### Cristata, the True Cockscomb.

**Mixed.** Including many colors. Per oz., \$1.50; per pkt., 10c.

**Rosea.** Price per ⅛-oz., 50c.; per pkt., 10c.

**Golden Beauty.** Golden yellow. Per ⅛-oz., 50c.; per pkt., 10c.

**President Thiers.** One of the most dwarf of all the Cockscombs, bearing large crimson combs. Per oz., \$2.50; per pkt., 10c.

### Plumosa or Feathered Cockscomb.

Plants surmounted with long feathery plumes; exceedingly handsome.

**Thompsoni Triumph of the Exposition.** Producing graceful feathery flower spikes, which resemble ostrich plumes. Splendid crimson; foliage bronze green. Price per oz., \$1.00; per pkt., 5c.



**CENTAUREA CYANUS.**

**Thompsoni Magnifica.** Golden yellow, similar to above except in color. Price per oz., \$1.00; per pkt., 5c.

**Childsii or Chinese Wool Flower.** Different from the ordinary plumosa in that the plume is more like a tuft of wool; geranium red, the size of a goose egg. Very ornamental and fine for bedding. Height, two feet. Per pkt., 10c.; per oz., \$2.00.

## Centaurea.

Under this heading we have the well-known Cornflower, Blue Bottle, Ragged Sailor, Bachelor's Buttons, Sweet Sultans, Dusty Miller, etc.

## Cornflower.

*Centaurea Cyanus.*

**Cyanus Blue.** The favorite dark blue sort so much in demand for cutting. Price per oz., 35c.; per pkt., 5c.

**Cyanus Double Blue.** Per oz., \$1.25; per pkt., 10c.

**White.** Per oz., 35c.; per pkt., 5c.

**Rose.** Per oz., 35c.; per pkt., 5c.

**Mixed.** Per oz., 35c.; per pkt., 5c.

## Giant Sweet Sultans.

*Centaurea Imperialis.*

	Oz.	Pkt.
<b>Pure White.</b> Best for cutting .....	\$ .75	10c.
<b>Delicate Lilac</b> .....	1.00	10c.
<b>Chameleon.</b> Yellow and rose, sweet scented .....	2.00	10c.
<b>Deep Lavender.</b> Very sweet scented .....	1.00	10c.
<b>Finest Mixed Colors</b> .....	.75	10c.

## Centaurea.

### White-Leaved or Dusty Miller Varieties.

Valuable plants for ribbon bedding, the silvery whiteness of the leaves being very effective with other colored-leaved plants

**Gymnacarpa.** Graceful, fine-cut silvery white foliage. 1½ feet. Per oz., 75c.; per pkt., 5c.

**Candidissima.** Silvery, broad-cut leaves. Price per oz., \$4.00; per pkt., 10c.



## Cineraria.

A magnificent greenhouse plant having a range and brightness of color seldom equalled. Sow seeds from May to July.

**Hybrida Grandiflora.** Prize varieties, finest obtainable; large flowering. Semi-dwarf. Brilliant blossoms, beautifully marked colors. Price per  $\frac{1}{2}$ -oz., \$3.00; per pkt., 25c.

**Fine Mixed.** Choice strain of showy and bright colors. Price per  $\frac{1}{2}$ -oz., \$2.50; per pkt., 25c.

**Maritima.** (Dusty Miller.) Silvery foliage. Fine for bedding, edging and ribbon planting. Per oz., 25c.; per pkt., 5c.

## Chrysanthemums.

### ANNUAL VARIETIES.

Very showy and effective garden plants, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants, and distinct from the autumn flowering varieties.

**Inodorum Plennissimum.** Double snow-white, free-flowering, fine for cutting. Per oz., \$1.50; per pkt., 10c.

**Segetum, Evening Star or Helios.** Single. (Annual Golden Marguerite.) A splendid variety for cutting; flowers 3 inches across, of pure golden-yellow. Price per oz., 50c.; pkt., 5c.

**Morning Star.** Similar to the foregoing in all particulars except in color of flowers, which are primrose-yellow. Per oz., 50c.; pkt., 5c.

**Dunnetti.** Double golden yellow, fine for cutting, liable to vary. Per oz., 50c.; per pkt., 5c.

**Coronarum Double Mixed.** Yellow, white, etc. Per oz., 35c.; per pkt., 5c.

**Carinatum Single Mixed.** (Painted Daisies.) Per oz., 35c.; per pkt., 5c.

### PERENNIAL VARIETIES.

**Frutescens Grandiflorum.** ("Paris Daisy," or Marguerite.) White, yellow eye. Per oz., 60c.; per pkt., 10c.

**Comtesse de Chambord.** (Yellow Paris Daisy.) Similar to the above, except in color. Per oz., 60c.; per pkt., 10c.

**Japanese Hybrids.** Double flowered. The seed here offered has been saved from a choice collection. Seed sown in spring will flower by autumn. Per  $\frac{1}{8}$ -oz., \$1.00; per pkt., 15c.

**Chrysanthemum Leucanthemum.** (Alaska Shasta Daisy). Large, single, pure white flowers, borne on long stems. Excellent for border and cutting. Per oz., \$1.00; per pkt., 10c.

## Clarkia.

Beautiful, hardy annuals from California, with rose-colored, white and purple flowers, in delicate but very brilliant shades. The plants are about eighteen inches high and profuse bloomers.

**Mixed Double.** Per oz., 60c.; per pkt., 5c.

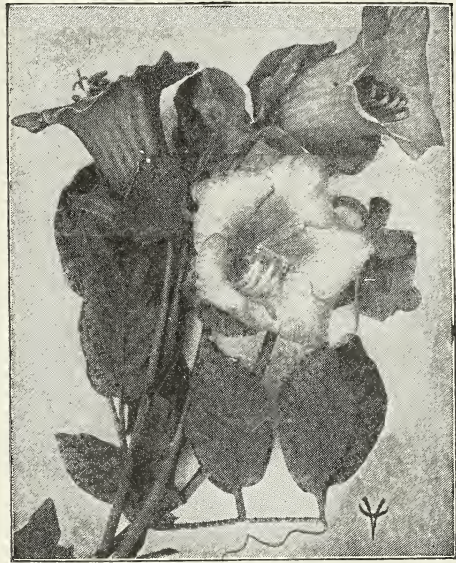
**Mixed Single.** Per oz., 50c.; per pkt., 5c.

## Cleome.

### The Giant Spider Plant.

Seed sown in May will commence blossoming July 1st, and continue until frost. The flowers of this variety are of the largest, making a striking appearance in the border or in masses, color rosy carmine. The stamens are several inches long, which gives it the name of Spider Flower. Five feet.

**Gigantea.** Per oz., 75c.; per pkt., 5c.



COBAEA SCANDENS.

## Clianthus.

### Australian Glory Pea.

Magnificent plants which should be sown in light, rich soil. A shrubby, tender greenhouse perennial.

**Dampieri.** Flowers in clusters, pea-shaped; of brilliant scarlet, with black center. Price per  $\frac{1}{4}$ -oz., 50c.; per pkt., 10c.

## Cobaea.

A beautiful, rapid-growing, climbing plant; large, handsome, bell-shaped flowers. Sow early and plant out about June. In sowing, plant the seeds edgewise, cover lightly.

**Scandens.** Price per oz., 75c.; per pkt., 10c.

## Cockscomb.

(See Celosia.)

## Coleus.

A distinctive foliage plant, with large, brilliantly colored leaves, ranging through shades of scarlet, yellow, green and variegated markings. Sow early in spring.

**Large-Leaved Varieties.** Saved from finest richly colored plants of choicest strain. Price per  $\frac{1}{2}$ -oz., \$3.00; per pkt., 25c.

**Choice Mixed.** This is from the choicest strain obtainable and has taken many first prizes. Price per  $\frac{1}{2}$ -oz., \$3.00; per pkt., 25c.

## Columbine.

(See Aquilegia.)

## Convolvulus.

### Morning Glory.

**Major.** Free flowering climber, succeeds in almost any situation. Height fifteen feet. Fine mixed. Per pkt., 5c.; per oz., 15c.; per lb., \$1.00.

**Tricolor Minor.** "Bush Morning Glories," grow only about one foot high. Per oz., 15c.; pkt., 5c.



## Coreopsis.

**Coreopsis.** (See also Calliopsis). This is a fine hardy plant with large, bright yellow flowers, produced in abundance from June till frost. Valuable as a cut flower, having long stems and keeping in good condition some time. Easily grown from seed, flowering the first year, if sown early.

**Lanceolata Gd. fl.** Per oz., 75c.; per pkt., 5c.

## Cosmos.

An autumn plant with feathery foliage. The flowers are borne profusely in loose clusters. Seed should be sown early in the spring and the plants transplanted in the open border when danger from frost is past.

The New Early Large Flowering strain are much improved over the older sort. Not only larger, but beginning to flower in early July and continuing until cut off by frost.

**New Early Large Flowering Pink.** Price per pkt., 10c.; per oz., 75c.

**New Early Large Flowering White.** Price per pkt., 10c.; per oz., 75c.

**New Early Large Flowering Crimson.** Price per pkt., 10c.; per oz., 75c.

**New Early Large Flowering Mixed.** Per pkt., 5c.; per oz., 60c.

**Pink Lady Lenox.** Considered the finest of all Cosmos. Flowers of gigantic size, some ranging 4½ inches across. Color is a beautiful shell pink. Price per pkt., 10c.; per oz., 75c.

**White Lady Lenox.** This is the same in all respects, except color, as the famous Pink Lady Lenox, and is offered for the first time this year. Price per pkt., 10c.; per oz., 75c.

**Giant Crimson.** Price per pkt., 10c.; per oz., 75c.

**Giant Flowering Mixed.** Our mixture includes the new White Lady Lenox. Price per pkt., 5c.; per oz., 75c.

## Cucumis.

**Flexuosus.** (Snake Cucumber). A rapid growing vine, quite ornamental, and often attaining a length of six feet. Annual. Price per oz., 25c.; per pkt., 10c.

**Echinocystis Lobata.** (Wild Cucumber). One of the quickest growing vines, splendid for covering trellises, etc.; blooms easily. Flowers, small white, in sprays. Per oz., 40c.; per pkt., 5c.

## Cyclamen.

A genus of the most beautiful and elegant winter and spring blooming plants for pot culture. If sown early in spring under glass, will make flowering bulbs in one year.

**Persicum.** Mixed, selected from finest varieties. Price per ⅛-oz., \$1.25; per pkt., 10c.

**Giganteum.** Extra fine strain. Flowers of an extraordinary size, broad petals and stout flower stalks. Price per ⅛-oz., \$2.50; per pkt., 25c.

## Cypress Vine.

A clinging plant with very delicate, fern-like foliage, and masses of beautiful, star-shaped flowers, borne in clusters. Half-hardy annual.

	Oz.	Pkt.
<b>Scarlet</b> .....	50c.	5c.
<b>White</b> .....	50c.	5c.
<b>Mixed</b> .....	50c.	5c.

## Dahlia.

One of our best autumnal flowering plants, blooms until killed by frost; tuberous rooted, half-hardy perennials; blooming the first year from seed, if sown early; protect the roots during winter in a dry cellar in sand.

**Large Flowering.** Fine mixed. Price per ¼-oz., 50c.; per pkt., 10c.

**Large Flowering.** Finest mixed, unrivalled quality. Decorative and show varieties. Saved from the finest double flowers. Per pkt., 25c.; ⅛-oz., 75c.



COSMOS, GIANT WHITE.



**Cactus.** Double mixed. Saved from very choice stock. Large variety, with curled and pointed petals. Price per pkt., 25c.; per 1/8-oz., 75c.

**Small Flowering.** (Bouquet or Lilliputian.) Saved from choice double flowers; mixed colors. Price per 1/8-oz., 75c.; per pkt., 10c.

**Single Mixed.** Giant Perfection. Very fine; large showy flowers. Per 1/4-oz., 25c.; pkt., 10c.

## Datura.

### Trumpet Flower.

Robust ornamental annuals, with large and showy flowers, 2 to 3 feet high.

**Double Golden.** Deep yellow; delightfully fragrant. Price per oz., 50c.; per pkt., 5c.

**Cornucopia.** ("Horn of Plenty") A grand variety; the flowers average 8 inches long by 5 across; French white inside, purple outside; delightfully fragrant; started early will flower from early summer until fall. Per oz., 50c.; pkt., 5c.

## Delphinium.

### Hardy Perennial Larkspurs.

Among our best plants for mixed borders, etc., producing long spikes of flowers.

**Belladonna.** This is called the Everblooming Hardy Larkspur; in addition, is of the finest type and clear bright blue. Per pkt., 10c.; oz., \$2.00.

**Formosum.** Deep blue, white center; 2 to 3 feet. Price per oz., \$1.00; per pkt., 5c.

**Coelestinum.** Long spikes of sky-blue flowers, with white center. Per oz., \$1.50; per pkt., 10c.

**Elatum.** Blue Larkspur. Large blue flowers, dark centers, 3 to 6 feet. Per oz., 75c.; pkt., 10c.

**Gold Medal Hybrids.** Single mixed, large spikes 2 to 3 feet long; mostly light shades of blue. Price per pkt., 10c.; per oz., \$1.50.

**Zalil.** Sulphur-yellow flowers on long spikes; 3 to 4 feet. Price per 1/4-oz., \$1.50; per pkt., 15c.

**Double Giant Hybrids, Mixed.** Price per 1/4-oz., 75c.; per pkt., 10c.

**Single Hybrids.** Finest mixed colors. Price per oz., 40c.; per pkt., 5c.

## Dianthus.

This class of pinks are usually treated as hardy annuals. They flower early in summer and continue until frost; excellent for small beds or edgings, flowering profusely. Hardy biennial.

**Chinensis Fl. Pl.** (Chinese or Indian Pink). The double flowers are produced in great variety of colors; very free flowering. Mixed. 1 foot. Price per oz., 40c.; per pkt., 5c.

**Heddewigii Fl. Pl.** (Japanese Pink). Very large flowering, double choicest mixed, extra fine strain, colors vary from rich crimson to delicate pink. Price per oz., \$1.50; per pkt., 10c.

**Heddewigii.** (Japanese Pink). Finest selected; single mixed. Price per oz., 75c.; per pkt., 5c.

**Fireball.** New magnificent, large, double, scarlet. 1 foot. Price per oz., \$1.50; per pkt., 10c.

**Snowball.** Extra large, double, pure white. 1 foot. Price per oz., \$1.50; per pkt., 10c.

**Diadematus Double Mixed.** Large double flowers, great variation of colors. Edges fringed. 1 foot. Price per oz., \$1.25; per pkt., 10c.

**Laciniatus Latifolius Double Mixed.** Beautifully striped in many colors. 1 foot. Price per oz., \$1.25; per pkt., 5c.

**Mourning Cloak or White Frill.** The flowers are very rich maroon color, margined white. It has a rich clove fragrance. Per oz., \$1.50; per pkt., 5c.

**Vesuvius.** A beautiful red flower, nearly two inches in diameter, with petals deeply lacinated. Price per oz., \$2.00; per pkt., 10c.

### HARDY PERENNIAL VARIETIES.

Highly valued for the great beauty and fragrance of their flowers. These make splendid bushy plants, one to two feet high, for permanent beds and borders.

**Plumaris.** (Grass Pink or Pheasant-eye Pink). A single hardy Pink, with fringe-edged white flowers, with dark center. Per oz., 40c.; per pkt., 5c.

**Plumaris Fl. Pl. Mixed.** (Double Pheasant's Eye Pink). Spicy clove fragrance. Double fringed flowers of white, crimson or purple shades, spotted and variegated. Per oz., \$1.50; per pkt., 10c.

**Semperflorens.** (Everblooming Hardy Garden Pinks). Very beautiful sweet-scented, double, semi-double and single flowers. Price per oz., \$1.50; per pkt., 10c.

## Digitalis.

### Foxglove.

Ornamental plants of stately growth, bearing long spikes of large, showy flowers, running through shades of white, rose, yellow and purple. Fine for shrubberies and half-shady places. Hardy perennial.

**Gloxinoides Ivory's Spotted.** Long spikes with large novel and beautiful flowers. Mixed. Price per oz., 75c.; per pkt., 10c.

**Fine Mixed Purpurea.** Price per oz., 60c.; per pkt., 5c.

## Dracaena.

Decorative plants with long, narrow leaves, suitable for center plants in vases, baskets, etc.

**Indivisa.** Price per oz., 75c.; per pkt., 10c.



ESCHSCHOLTZIA.



**Edelweiss.***Gnaphalium Leontopodium.*

The famous Edelweiss of the Alps. The flowers are star-shaped, of downy texture, and pure white, and are sought after as souvenirs. They retain their natural appearance for years. Price per 1/8-oz., \$1.50; per pkt., 10c.

**Eschscholtzia.***California Poppy.*

An annual of easy culture. Seeds sown early will come into bloom in June and continue until frost.

**Californica.** Rich yellow with orange center. Price per oz., 20c.; per pkt., 5c.

**Douglasii.** Early-flowering; pure yellow, with deep golden center, glaucous-blue foliage. Price per oz., 30c.; per pkt., 5c.

**Golden West.** Bright yellow with orange center. Price per oz., 30c.; per pkt., 5c.

**Mandarin.** Large; scarlet, inside orange. Price per oz., 30c.; per pkt., 5c.

**Cross of Malta.** Yellow with orange cross in center. Price per oz., 30c.; per pkt., 5c.

**Hunnemannia.** Bush eschscholtzia. One and one-half feet high, of bushy habit, have large but-tercup yellow, poppy-like blossoms. Per oz., 50c.; per pkt., 5c.

**Finest Mixed.** Single. Per oz., 25c.; per pkt., 5c.

**Euphorbia.**

**Marginata Variegata.** (Snow on the Mountain). The leaves are light green and white margined. Price per oz., 30c.; per pkt., 5c.

**Mexican Fire Plant, or Fire on the Mountain.** In habit and appearance resembling the poinsettia. The plants grow 2 to 3 feet high, of branching, bush-like form, with glossy leaves, but about mid-summer become orange-scarlet, presenting a striking and brilliant appearance. Price per oz., 75c.; per pkt., 10c.

**EUPHORBIA VARIEGATA.****Feverfew.***Matricaria.*

Free-flowering plants, succeeding in any garden soil; hardy annual, blooming the first season if sown early.

**Alba Plenissima Double White.** Seeds saved from fine double flowers. 18 inches high. Price per oz., 75c.; per pkt., 10c.

**Forget-Me-Not.***(See Myosotis).***GAILLARDIA—PICTA LORENZIANA,****Gaillardia.**

Showy and universally admired annuals, flowering the first year; among the gayest ornaments of summer flower beds.

**Amblyodon.** Rich blood-red. Annual. Price per oz., 50c.; per pkt., 5c.

**Picta Lorenziana.** A charming profuse double flowering strain; mixed colors. Annual. Price per oz., 50c.; per pkt., 5c.

**Fine Mixed.** Single; annual. Price per oz., 75c.; per pkt., 5c.

**Grandiflora Sanguinea.** Perennial. Rich crimson with yellow border. Per oz., 75c.; per pkt., 10c.

**Grandiflora Oculata.** New light shades with red centers; very fine hybrids. Perennial. Price per oz., 50c.; per pkt., 5c.

**Grandiflora Maxima.** Golden yellow. Perennial. Price per oz., 75c.; per pkt., 5c.

**Grandiflora Fine Mixed.** Perennial. Price per oz., 75c.; per pkt., 5c.



## Geranium.

**Single Mixed Zonale.** Including many varieties. Price per oz., \$2.50; per pkt., 10c.

**Double Mixed Zonale.** Excellent quality. Price per pkt., 25c.

**Pelargonium Zonale.** (Lady Washington). Desirable plants for pot culture; the flowers are borne in clusters, are rich and beautifully marked. Price per 1/8-oz., \$1.00; per pkt., 25c.

**Apple Blossom.** Fragrant foliage. Price per 1/2-oz., \$1.50; per pkt., 10c.

## Gilia.

Hardy annual, grows in almost any situation; profuse bloomers and fine for beds and rockeries.

**Fine Mixed.** Price per oz., 25c.; per pkt., 5c.

## Globe Amaranth.

"Bachelor's Buttons". Garden annuals, forming bushy plants about two feet high and bearing a great many flowers, purple, white, striped, etc.; very desirable "Everlastings."

**White.** Price per oz., 50c.; per pkt., 5c.

**Flesh Color.** Price per oz., 50c.; per pkt., 5c.

**Mixed Colors.** Price per oz., 50c.; per pkt., 5c.

## Godetia.

### Satin Flower.

Very showy annual, of dwarf, compact growth, bearing large flowers of exquisite colors and shades that glisten in the sunlight like satin.

**Lady Albemarle.** Carmine, shading to lilac. Price per oz., 50c.; per pkt., 5c.

**Duchess of Albany.** Pure satin white. Price per oz., 50c.; per pkt., 5c.

**Lady Satin Rose.** Glossy rose pink. Price per oz., 50c.; per pkt., 5c.

**Finest Mixed.** Price per oz., 50c.; per pkt., 5c.

## Gourds.

A very ornamental class of rapid growing climbers. The fruit is of curious shapes, sizes and colors. All are hard shelled and will keep indefinitely.

**Nest Egg.** A capital nest egg. Produces fine white fruits, egg shaped. Per oz., 30c.; per pkt., 5c.

**Orange.** Dark yellow and orange shaped. Price per oz., 30c.; per pkt., 5c.

**Lemon.** Light yellow and lemon shaped. Price per oz., 30c.; per pkt., 5c.

**Hercules Club.** Club shape. Grows 4 to 6 feet in length. Price per oz., 30c.; per pkt., 5c.

**Dipper.** Used as a dipper. Price per oz., 30c.; per pkt., 5c.

**Dish Cloth.** A vegetable dish cloth; tough and elastic. Fruit 2 feet in length. Price per oz., 30c.; per pkt., 5c.

**Sugar Trough.** This variety grows to a large size. Price per oz., 30c.; per pkt., 5c.

**Calabash or Pipe Gourd.** Grown extensively for use in making pipes. Price per oz., 30c.; per pkt., 10c.

**Bottle.** Resembles a bottle. Price per oz., 30c.; per pkt., 5c.

**Knob Kerrie.** Green and yellow, ball-shaped at the end of long slender neck. Price per oz., 50c.; per pkt., 10c.

**Turk's Turban.** Striped mixed. Price per oz., 25c.; per pkt., 5c.

**Fancy and Ornamental.** Small mixed varieties. Price per oz., 25c.; per pkt., 5c.

**Large Mixed.** Large sized varieties. Price per oz., 25c.; per pkt., 5c.



BRIZA MAXIMA.



COIX LACHRYMAE.

## Grasses--Ornamental.

For winter decoration these are very beautiful and should be cut before they are thoroughly ripe. Transplant as soon as they can be handled. This will allow them to develop their character.

**Avena Sterilis.** (Animated Oats). Long, drooping panicles. Price per oz., 25c.; per pkt., 5c.

**Briza Maxima.** (Quaking Grass). Price per oz., 25c.; per pkt., 5c.

**Bromus Brizaeformis.** One of the best grasses for dried bouquets. Price per oz., 20c.; per pkt., 5c.

**Coix Lachrymae.** (Job's Tears). Price per oz., 20c.; per pkt., 5c.

**Eragrostis Elegans.** (Love Grass). Price per oz., 25c.; per pkt., 5c.

**Eulalia.** (Japonica Variegata). Commonly known as Ribbon Grass; long green leaves, striped white; fine for groups. Price per oz., 50c.; per pkt., 5c.

**Gynerium Argenteum.** (Pampas Grass). Price per oz., 30c.; per pkt., 5c.

**Stipa Pennata.** (Feather Grass). Indispensable in grass bouquets. Price per oz., 75c.; per pkt., 5c.

## Gypsophila. Baby's Breath.

Delicate free-flowering plants covered with a profusion of fine star-shaped flowers.

**Gypsophila Paniculata.** Sprays of delicate little white flowers. Hardy. Per oz., 50c.; per pkt., 5c.

**Grandiflora Alba.** Improved large flowering. Pure white. Price per oz., 30c.; per pkt., 5c.

**Muralis.** Pink flowered, annual. Price per oz., 50c.; per pkt., 5c.

**Elegans.** Mixed, annual. Per oz., 30c.; per pkt., 5c.

## Helichrysum. Straw Flower.

Bright and attractive summer blooming annuals of free growth and producing in abundance large double red, white and yellow flowers, valuable as an "Everlasting."

**Yellow Monstrosum.** Per oz., 90c.; per pkt., 5c.

**Fireball Monstrosum.** Per oz., 90c.; per pkt., 5c.

**White Monstrosum.** Per oz., 90c.; per pkt., 5c.

**Monstrosum Mixed Large Flowering.** Double. Price per oz., 90c.; per pkt., 5c.

## Heliotrope.

A half-hardy perennial, flowering during the whole season; deliciously fragrant and a splendid bedding plant. Seeds sown in the spring will make fine plants for summer blooming.

**Queen Marguerite.** Dark blue. Of robust growth, and produces flower clusters double the size of the old sort; very fragrant. Price per 1/4-oz., \$1.00; per pkt., 10c.

**Large Flowering Mixed.** All colors of the regular type. Price per 1/8-oz., 50c.; per pkt., 5c.



**DOUBLE HELIANTHUS OR SUNFLOWER.****Helianthus or Sunflower.**

Tall growing plants, with large and showy yellow flowers. Hardy annuals.

**SINGLE VARIETIES.**

**Red Sunflower.** New unique novelty. Price per oz., 50c.; per pkt., 10c.

**Miniature.** (Cucumerifolia). Bushy habit, profuse in its bloom of small bright yellow, black-centered flowers. Price per oz., 50c.; per pkt., 5c.

**Stella.** Branching habit. Flowers from two to three inches in diameter, with black centers. Price per oz., 50c.; per pkt., 5c.

**Orion.** New variety of Stella strain; petals twisted like cactus dahlia. Per oz., 50c.; per pkt., 10c.

**Argyrophyllus.** Handsome plants usually about 4 feet high, silvery foliage, flowers small, with dark centers. Price per oz., 25c.; per pkt., 5c.

**Mammoth Russian.** Grows 8 to 12 feet high, bearing single heads measuring from 15 to 18 inches in diameter. Price per oz., 10c.; per pkt., 5c.

**DOUBLE VARIETIES.**

**Californicus.** Very fine, double, golden yellow. 5 feet. Price per oz., 25c.; per pkt., 5c.

**Globosus Fistulosus.** Flowers large and a rich saffron color. 6 feet. Per oz., 25c.; per pkt., 5c.

**Hibiscus. Marshmallow.**

Showy ornamental annuals and perennials, for mixed beds or shrubby borders, having large-sized, beautifully colored flowers; blooms the first year if sown early.

**Palustris.** Large pink flowers. Per oz., 50c.; per pkt., 5c.

**Moscheutos.** Flowers a light rosy red, with dark centers, 6 inches diameter. Per oz., 50c.; per pkt., 5c.

**Crimson Eye.** Flowers of largest size, pure white, with a large spot of velvety crimson in the center. Price per oz., \$1.00; per pkt., 10c.

**Giant Yellow or Golden Bowl.** Large petaled flowers from 6 to 9 inches in diameter; of a rich cream, with a velvety maroon center. The plants commence to bloom early and continue until frost. Price per oz., 60c.; per pkt., 10c.

**Hyacinth Bean.***Dolichos.*

An annual climber, producing clustered spikes of purple and white flowers, followed by exceedingly ornamental seed pods.

**Daylight.** Large wistaria-like racemes of snow-white, sweet-scented flowers, followed by silvery-white seed pods. Price per oz., 35c.; per pkt., 5c.

**Darkness.** Similar to above, except in color, which is a rich purple-violet. Per oz., 35c.; per pkt., 5c.

**Lablab Mixed.** Price per oz., 25c.; per pkt., 5c.

**Hollyhock.**

For majestic growth and massive beauty the hollyhock stands unrivaled. Flowers very large, perfectly double, and of great variety of color.

**Chater's Dark Crimson.** Per ¼-oz., 40c.; per pkt., 10c.

**Chater's Bright Pink.** Per ¼-oz., 40c.; per pkt., 10c.

**Chater's Salmon Rose.** Per ¼-oz., 40c.; per pkt., 10c.

**Chater's Sulphur Yellow.** ¼-oz., 40c.; per pkt., 10c.

**Chater's White.** Per ¼-oz., 40c.; per pkt., 10c.

**Extra Choice Double Mixed.** Chater's strain. Per ¼-oz., 30c.; per pkt., 10c.

**"Allegheny" Mixed.** Mammoth flowers, wonderfully formed of loosely arranged fringed petals. Per ¼-oz., 30c.; per pkt., 10c.

**Single and Double Mixed.** Annual, perpetual flowering, present a handsome appearance when covered with their artistic blossoms. Per ½-oz., 50c.; per pkt., 5c.

**Humulus.***Japanese Hop.*

**Japonica.** The foliage is very dense, and in color a lively green. Per oz., 75c.; per pkt., 5c.

**Variegated.** A variegated variety with green and white leaves. Per oz., 75c.; per pkt., 5c.

**Ice Plant.**

Suitable for rock work, hanging baskets, etc. Foliage thick, flowers frosted, wax-like.

**Mesembryanthemum.** Per oz., 35c.; per pkt., 5c.

**Impatiens.**

**Sultani.** Brilliant rosy-scarlet. Price per ⅛-oz., \$1.25; per pkt., 15c.

**Holstii Hybrids.** Strong bushy plants, about 2 feet high; covered with flowers throughout the season. When grown as a pot plant they bloom the year round. Mixed. Per ⅛-oz., 75c.; per pkt., 15c.

**Ipomea.**

This is a rapid and luxuriant summer climber, profuse in its blooms of large, beautiful flowers, and invaluable.

**Imperial Japanese.** Handsomest of all Morning Glories. The flowers are of gigantic size, and the coloring beyond description, ranging from snow-white to black-purple. Mixed. Per oz., 25c.; per pkt., 5c.

**Rubra Coerulea.** (Heavenly Blue). Immense flowers of bright sky-blue. Per oz., 75c.; per pkt., 10c.

**Bona Nox.** (Evening Glory). Large, blue, fragrant flowers. Per oz., 25c.; per pkt., 5c.

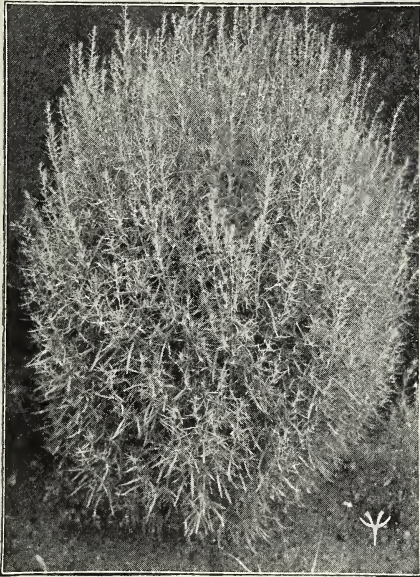
**Grandiflora.** (Moon Flower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. Grows very rapidly. Per oz., 50c.; per pkt., 10c.

**Coccinea.** (Star Ipomea). Small scarlet flowers. Per oz., 35c.; per pkt., 5c.



**Kenilworth Ivy.***Linaria Cymbalaria.*

A violet flower, neat, hardy perennial trailing plant, suitable for baskets, vases and rock work. Per oz., \$1.75; per pkt., 10c.

**Kochia.***Summer Cypress.*

**Tricophylla.** An easily-grown annual with perfect symmetry. It is a lively green, but on the approach of autumn the whole plant becomes a bright scarlet, making in all a very desirable plant. During the summer it obtains a height of about 3 feet. Per oz., 40c.; per pkt., 10c.

**Kudzu Vine.***Pueraria Thunbergiana.*

A twining vine of remarkably rapid growth, attaining a length of 40 to 50 feet in one season. Hardy, though the vine dies down every winter. Foliage large and lobed, purple, pea-shaped flowers in clusters. A fine vine for arbors, verandas, etc. Per oz., \$1.00; per pkt., 10c.

**Lantana.**

A most desirable half-hardy, greenhouse or bedding plant, constantly in bloom; verbena-like heads of orange, white, rose and other colored flowers.

**Finest Mixed.** Per oz., 50c.; per pkt., 10c.

**Larkspur Annual.***Delphinium.*

Beautiful, hardy annuals, producing dense spikes of flowers, which are very ornamental, either in the garden or when cut for vases. Set 10 inches apart.

**Double Stock-flowered.** Tall branching, finest mixed. Per oz., 50c.; per pkt., 5c.

**Emperor, Double.** Finest Mixed. Very beautiful long spikes of flowers in the most delicate colors. Per oz., 50c.; per pkt., 5c.

**Giant Hyacinth-flowered.** An improved type. Per oz., 50c.; per pkt., 5c.

**Tall Rocket, Double Mixed.** Showy. Per oz., 50c.; per pkt., 5c.

**Dwarf Rocket, Double Mixed.** Per oz., 50c.; per pkt., 5c.

**Lathyrus.***Everlasting Pea.*

Showy, free-flowering plant, very ornamental on trellis work. Blooms excellent for cutting. Hardy perennial.

	Oz.	Pkt.
<b>Latifolius, White</b> .....	75c.	10c.
<b>Latifolius, Pink Beauty</b> .....	75c.	10c.
<b>Latifolius, Scarlet</b> .....	75c.	10c.
<b>Mixed</b> .....	75c.	10c.

**Lavender.***Lavender Vera.*

Slender spikes of lavender flowers, very fragrant. Hardy perennial. Per ¼-oz., 25c.; per pkt., 5c.

**Linum.***Flowering Flax.*

A showy bedding plant of the flax family, having brilliant flowers of various colors, borne on slender stems, with fine foliage. Hardy annual.

**Grandiflorum Coccineum.** Annual; bright scarlet. Per oz., 25c.; per pkt., 5c.

**Perrene.** Light blue hardy. Perennial. Per oz., 50c.; per pkt., 5c.

**Flavum.** Golden yellow. Perennial. Per oz., \$1.00; per pkt., 10c.

**Mixed.** Perennial; white and blue. Per oz., 50c.; per pkt., 5c.



## Lobelia.

The following dwarf and trailing varieties of this popular and beautiful flowering plant are desirable for pot culture, edgings, hanging baskets, etc., blooming profusely from June to November. Half-hardy annual.

### ERINUS VARIETIES,

for Baskets, Vases, etc. Six to nine inches.

**Alba.** Pure white. Per oz., \$1.50; per pkt., 5c.

**Gracilis.** Light blue; long slender, trailing stems. Per oz., \$1.50; per pkt., 5c.

**Mixed.** Contains many sorts. Per oz., \$1.25; per pkt., 5c.

### COMPACTA VARIETIES,

for Edgings, etc. Four to six inches.

**Emperor.** Compact, bright blue. Per ¼-oz., 75c.; per pkt., 10c.

**White Gem.** Pure white. Per ¼-oz., 75c.; per pkt., 5c.

**Crystal Palace.** Dark blue; fine for bedding. Per ½-oz., 50c.; per pkt., 5c.

**Prima Donna.** Dwarf, bushy plants, with rich velvety crimson maroon flowers. Per ¼-oz., 50c.; per pkt., 10c.

**Mixed Varieties.** Per oz., \$1.50; per pkt., 5c.

## Lupinus.

Many of the varieties are of a stately, robust growth, valuable for mixed flowers and shrubby borders.

**Annual Mixed.** Rich and various colored pea-shaped flowers. Two feet. Per oz., 30c.; per pkt., 5c.

**Perennial Mixed.** Hardy perennial varieties, in blue and white mixed. Per oz., 30c.; per pkt., 5c.

## Lychnis.

**Viscaria.** Rosy-lilac. Two feet. Price per oz., 45c.; per pkt., 5c.

**Haageana.** Brilliant orange, scarlet, crimson, etc. Per oz., \$2.50; per pkt., 10c.

## Maurandia.

Beautiful, rapid-growing climbers, blooming profusely until late in the autumn; also fine for the conservatory or greenhouse. A half-hardy perennial, flowering the first season if sown early; ten feet.

**Barclayana.** Purple. Per oz., \$2.50; per pkt., 10c.

**Mixed.** All colors. Per oz., \$1.50; per pkt., 10c.

## Marigold.

A popular hardy annual of vigorous growth, producing a magnificent display of yellow, orange and maroon flowers.

### AFRICAN VARIETIES.

**Orange Prince.** A splendid new rich orange sort. Per oz., 75c.; per pkt., 10c.

**Lemon Queen.** Another fine new variety; clear lemon-yellow. Per oz., 75c.; per pkt., 10c.

**Pride of the Garden.** Immense flowers, densely double. Color, golden-yellow. A feature of this variety is the compact, dwarf habit of the plant, which forms dense bushes 15 to 18 inches high. Per oz., 75c.; per pkt., 10c.

**El Dorado.** Flowers very large, imbricated and extremely double. All shades of yellow. Per oz., 50c.; per pkt., 5c.



MARIGOLD—DOUBLE TALL AFRICAN.

**Large African.** Double, orange and lemon mixed. two to three feet. Per oz., 35c.; per pkt., 5c.

### FRENCH VARIETIES (Dwarf).

**Legion of Honor.** A dwarf single variety. Blooms early and until late in the fall. Flowers rich golden yellow, marked velvety brown. Per oz., 35c.; per pkt., 5c.

**Dwarf, Golden Striped.** Velvety maroon, striped gold. Per oz., 35c.; per pkt., 5c.

**Double French Marigold Mixed.** Per oz., 35c.; per pkt., 5c.

## Marvel of Peru.

*Four O'Clock.*

Of branching habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet; some varieties combining two or more of these colors. Two feet.

**Marvel of Peru or Four O'Clock.** Mixed. Per oz., 15c.; per pkt., 5c.

**Variegated Foliage.** Mixed. Price per oz., 15c.; per pkt., 5c.

## Mignonette.

A hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and early summer it will bloom until killed by-frost.

**Reseda Odorata.** Improved, large flowering. Sweet scented. Per oz., 20c.; per pkt., 5c.

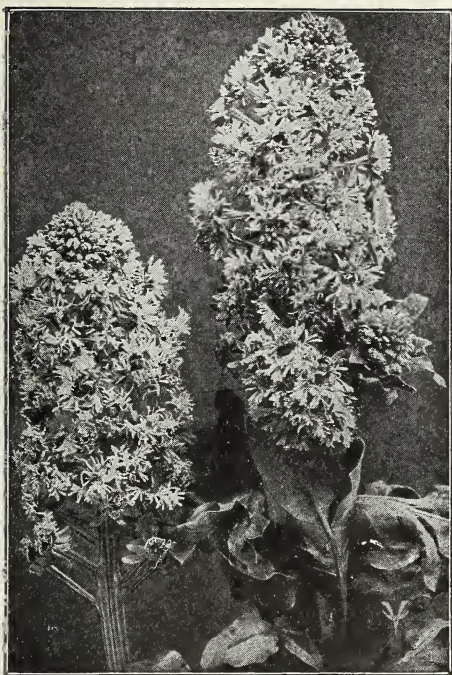
**White Pearl.** Large spikes, the best pure white, very fragrant. Per oz., \$1.50; per pkt., 10c.

**Miles' Hybrid Spiral.** Produces flower spikes from 8 to 10 inches in length. Very fragrant. Per oz., 60c.; per pkt., 5c.

**Matchet.** Select stock. Golden yellow. An excellent variety for general uses. Per oz., 75c.; per pkt., 5c.

**Golden Queen.** Color distinct, very sweet. Per oz., 50c.; per pkt., 5c.





MIGNONNETTE.

**Red Goliath.** Immense spikes of double red flowers. Per  $\frac{1}{4}$ -oz., 50c.; per pkt., 10c.

**Allen's Defiance.** When grown under favorable conditions its spikes attain a size of 12 to 15 inches in length. Price per  $\frac{1}{4}$ -oz., 25c.; per pkt., 10c.

## Mimosa.

*Sensitive Plant.*

**Pudica.** Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken. One and one-half feet. Per oz., 50c.; per pkt., 5c.

## Mimulus.

*Monkey Flower.*

Bushy plants one foot high. Flowers various shades of yellow, spotted and marked crimson.

**Tigrinus.** Mixed and spotted varieties. Price per  $\frac{1}{4}$ -oz., 60c.; per pkt., 5c.

**Moschatus.** (Musk Plant). Foliage emits a strong musky perfume; flowers canary yellow. Per  $\frac{1}{4}$ -oz., 60c.; per pkt., 5c.

## Mina.

**Lobata.** Half-hardy, climbing annual. The buds are red, but turn to orange-yellow before they open. The flowers are of a creamy white. Per oz., \$3.00; per pkt., 10c.

**Sanguinea.** Flowers blood-red, with yellow throat. Price per oz., \$2.50; per pkt., 10c.

## Moon Flower.

(See *Ipomea*).

## Mormordica.

Annual climbers, with ornamental foliage, fruit golden yellow, warted, and when ripe, opens, showing the seeds and its brilliant carmine interior. Height, 10 to 15 feet.

**Balsamina.** Apple-shaped fruit. Price per oz., 30c.; per pkt., 5c.

**Charantia.** Pear-shaped fruit. Price per oz., 30c.; per pkt., 5c.

## Morning Glory.

(See *Convolvulus* and *Ipomea*).

## Myosotis.

*Forget-Me-Not.*

A well-known plant, bearing clusters of star-like flowers, best adapted to moist situations, though growing in almost any soil. Half-hardy perennial.

**Alpestris Coerulea.** Sky blue. Price per  $\frac{1}{4}$ -oz., 25c.; per pkt., 5c.

**Alpestris Alba.** Pure white. Price per  $\frac{1}{4}$ -oz., 25c.; per pkt., 5c.

**Robusta Grandiflora.** (Eliza Founrobert). Large flowering, bright blue. Per  $\frac{1}{4}$ -oz., 40c.; pkt., 5c.

**Dissitiflora.** Large flowering, dark blue, one of the best. Per  $\frac{1}{8}$ -oz., \$1.00; per pkt., 10c.

**Palustris Semperflorens.** True marsh forget-me-not. A dwarf forget-me-not, always in bloom. Blue, 6 to 8 inches. Per  $\frac{1}{8}$ -oz., 25c.; per pkt., 10c.

## Myrsiphyllum.

(See *Smilax*).

## Nigella.

*Love in a Mist, or Devil in a Bush.*

A compact, free-flowering plant, with finely cut foliage, curious flowers and seed pods. Hardy annual. One foot.

**Damascena.** Blue and white mixed. Price per oz., 25c.; per pkt., 5c.

**Miss Jekyll.** A beautiful variety with cornflower-blue blossoms; excellent for cutting. Per oz., 75c.; per pkt., 10c.

## Nicotiana.

Desirable plants of the tobacco family, valuable for their long duration and freedom of bloom. Half-hardy annuals.

**Affinis.** Flowers large, white, fragrant, and fully expanded in evening or cloudy days. Price per oz., 75c.; per pkt., 5c.

**Sanderae Hybrid.** A splendid type in a great variety of colors. Per oz., \$1.00; per pkt., 10c.

**Giant Red Flowered.** The foliage is luxuriant; surmounted with crimson flowers. They grow rapidly, and continue until cut by frost. Price per oz., 75c.; per pkt., 5c.

## Nemophila.

A charming class of dwarf-growing, free-flowering hardy annuals of spreading habit.

**Marginata.** Azure blue, edged with white. Price per oz., 25c.; per pkt., 5c.

**Maculata.** White, spotted with deep violet. Per oz., 25c.; per pkt., 5c.

**Finest Mixed Colors.** Per oz., 25c.; per pkt., 5c.



SELECT  
NASTURTIUMS**Nasturtium.***Tropaeolum.*

Plants of great beauty, blooming throughout the summer and fall, and in the greenhouse during the winter. The tall varieties make good covering for walls and trellises. The compact growth and rich-colored flowers of the dwarf varieties make them desirable for bedding plants.

**DWARF VARIETIES.**

**Aurora.** Cream yellow, veined with carmine. Per oz., 20c.; per pkt., 5c.

**Beauty.** Yellow, striped with red. Price per oz., 20c.; per pkt., 5c.

**Golden Queen.** Yellow foliage with golden yellow flowers. Price per oz., 20c.; per pkt., 5c.

**Cloth of Gold.** Scarlet flowers with golden yellow foliage. Price per oz., 20c.; per pkt., 5c.

**Empress of India.** Very dark green foliage; flowers bright crimson. Per oz., 20c.; per pkt., 5c.

**Crystal Palace Gem.** Sulphur yellow, spotted maroon. Price per oz., 20c.; per pkt., 5c.

**King of Tom Thumbs.** Intense scarlet. Price per oz., 20c.; per pkt., 5c.

**King Theodore.** Deep maroon flowers and dark foliage. Per oz., 20c.; per pkt., 5c.

**Lady Bird.** Golden yellow, striped and spotted with bright red, dark leaved. Price per oz., 20c.; per pkt., 5c.

**Pearl.** Creamy white. Per oz., 20c.; per pkt., 5c.

**Rose.** Dark pink. Price per oz., 20c.; per pkt., 5c.

**Golden King.** Pure bright yellow. Price per oz., 20c.; per pkt., 5c.

**Mixed.** All colors. Price per lb., \$1.25; per ¼-lb., 35c.; per oz., 15c.; per pkt., 5c.

**TALL VARIETIES.**

**King Theodore.** The deepest and richest dark crimson nasturtiums, having a soft, velvety texture. Price per oz., 20c.; per pkt., 5c.

**Jupiter.** Mammoth flowers; of a rich golden yellow. Price per oz., 20c.; per pkt., 5c.

**Vesuvius.** A most desirable variety with flowers of a salmon rose. Per oz., 20c.; per pkt., 5c.

**Schulzi.** A rich scarlet; dark leaved. Price per oz., 20c.; per pkt., 5c.

**Moonlight.** Large flowers of clear, pale lemon color. Price per oz., 20c.; per pkt., 5c.

**Twilight.** Very large flowers of delicate salmon, marked with rose. Price per oz., 20c.; per pkt., 5c.

**Butterfly.** Light yellow, marked with red. Price per oz., 20c.; per pkt., 5c.

**Queen Varieties, Mixed.** This class is distinct, having variegated leaves of white, green and yellow; flowers of various colors. Price per oz., 20c.; per pkt., 5c.

**Mixed Tall Varieties.** Price per lb., \$1.00; per ¼-lb., 30c.; per oz., 15c.; per pkt., 5c.

**Lobbianum Nasturtium.**

There is little difference between these and the tall Nasturtiums. They are especially rich in the red shades, flower even freer, grow to the same height.

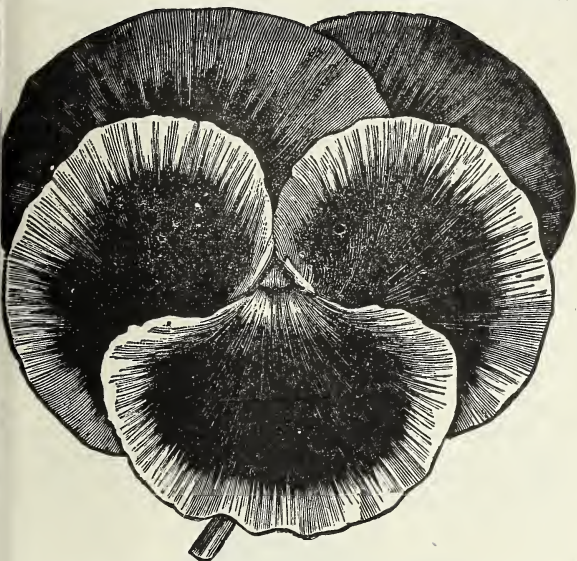
**Brilliant.** Rich geranium scarlet. Price per oz., 20c.; per pkt., 5c.

**Golden Queen.** New; orange-yellow. Price per oz., 20c.; per pkt., 5c.

**Asa Gray.** Cream white. Price per oz., 20c.; per pkt., 5c.

**Finest Mixed.** Price per oz., 20c.; per pkt., 5c.





TYPE OF GIANT TRIMARDEAU PANSY.

## Pansy.

### *Heartsease.*

The pansy stands alone in a class by itself. It is a flower that every lady admires and wants, if she has any place to raise them. We have a choice collection of superb varieties, which contains all the markings known to pansy growers. For spring flowers, sow seed in August and protect during the winter. Half-hardy perennial.

**Platt's Superlative Mixed.** This is the very richest mixture of giant varieties, containing the choicest sorts grown by foremost specialists, combined by us to secure the result of their skill and widest variation in one mixture. To those wishing such there is no better seed obtainable. Price per oz., \$.80; per pkt., 25c.

**Bugnot's Superb Striped and Blotched.** A very beautiful class, large flowers, the two upper petals usually finely veined, the lower with broad blotches in wide variety of handsome and rare colors. Price per oz., \$.50; per pkt., 25c.

**Masterpiece.** A distinct type of extra large size, having undulated petals, making it appear double. Mixed colors. Price per oz., \$.50; per pkt., 25c.

**Giant Madame Perret.** A new mammoth strain, producing faultless flowers of rose, ruby and wine shades on white ground. Price per oz., \$.35; per pkt., 15c.

**Parisian Giant, Stained.** Trimardeau type. Many beautiful shades and colorings. Mostly white ground and five spotted. Price per oz., \$.30; per pkt., 15c.

**Orchid Flowered.** A distinct and beautiful strain of Pansy, having delicate tints and soft shades of colors. Price per oz., \$.50; per pkt., 25c.

**Giant Trimardeau.** Pansies are very much improved in every respect over the older sorts of the same name.

**Trimardeau Mixed, or Giant Pansies.** Of strong, robust growth, well-formed flowers, large size and great variety of color; finest strain. Price per ¼-lb., \$.45; per oz., \$1.50; per pkt., 10c.

**Fine Mixed.** Consisting of all colors, though not large flowered as above, inclined to be more free flowering; fine for large beds. Price per ¼-lb., \$.40; per oz., \$1.25; per pkt., 5c.

**Lord Beaconsfield.** Giant Trimardeau. Deep purple-violet, shading to white on the upper petals. very effective. Price per oz., \$3.00; per pkt., 10c.

**King of the Blacks.** Giant Trimardeau. Almost coal black. Price per oz., \$3.00; per pkt., 10c.

**Emperor.** Giant Trimardeau. Ultra-marine blue, with purple violet eyes. Price per oz., \$3.00; per pkt., 10c;.

**Peacock Blue.** Giant Trimardeau. Rich velvety blue, white edge. Price per oz., \$3.00; per pkt., 10c.

**Light Blue.** Giant Trimardeau. Beautiful sky blue. Price per oz., \$3.00; per pkt., 10c.

**Golden Queen.** Giant Trimardeau. Large and fine for bedding. Price per oz., \$3.00; per pkt., 10c.

**Snow Flake.** Giant Trimardeau. Pure satiny-white; very fine. Price per oz., \$3.00; per pkt., 10c.

**Red Victoria.** Wine color; very fine. Price per oz., \$2.00; per pkt., 10c.



PANSY, GIANT MADAME PERRET.

## Passiflora.

### Passion Flower.

Indispensable climbing plants for the garden or greenhouse, bearing a profusion of attractive flowers.

**Coerula.** Blue. Price per oz., 75c; per pkt., 10c.



## Petunia.

The brilliancy and variety of its colors, combined with the duration of its blooming period render it invaluable. The plants are of easy culture and thrive well in any good garden soil.

**Double Mixed.** Large-flowering, fringed; saved only from the very choicest pot-grown plants. Double Petunia does not come true from seed. This strain will produce 30 to 35 per cent double flowering plants, which is a high per cent. The weaker plants should be carefully saved, as they usually produce the finest double flowers. Price per  $\frac{1}{2}$ -oz., \$12.00; per pkt., 50c.

**Platt's Superb Large-flowering.** Single ruffled and fringed giants saved from finest flowers; of very large size and beautiful shape, deep-throated and of varied and brilliant colors. Price per  $\frac{1}{8}$ -oz., \$3.00; per pkt., 25c.

**Ruffled Fringed Giant.** Nana Compacta; bushy plants, 12 to 15 inches high, of compact growth, comprising all the desirable colors with ruffled and fringed edging. Price per  $\frac{1}{8}$ -oz., \$3.00; pkt., 25c.

**California Giants.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Price per  $\frac{1}{8}$ -oz., \$3.00; per pkt., 25c.

**Howard's Star.** A beautiful free-flowering strain, color crimson-maroon, with a clearly defined five-pointed star of blush white. Price per oz., \$3.00; per pkt., 15c.

**Striped and Blotched.** A good strain of the small flowering type; fine for massing. Price per oz., \$1.25; per pkt., 10c.

**Snowball.** Pure white flowers, on compact plants. Very fine. Per  $\frac{1}{8}$ -oz., 30c.; per pkt., 10c.

**Hybrida Fine Single Mixed.** Very rich mixture for bedding. Price per oz., \$1.25; per pkt., 5c.

## Phlox.

This splendid genus of plants is unrivaled for richness of color, profusion of blossoms, length of duration in bloom, and whether in clumps or masses, look equally beautiful.

### Grandiflora.

Those of the Grandiflora type are largest flowered and grow about 15 inches high.

**Alba.** Pure white, extra large. Price per oz., \$1.50; per pkt., 5c.

**Brilliant Scarlet.** Price per oz., \$1.50; pkt., 5c.

**Vivid Crimson.** Large, white eye. Price per oz., \$1.50; per pkt., 5c.

**Violaacea Alba-Oculata.** Violet with white eye. Price per oz., \$1.50; per pkt., 5c.

**Large Yellow.** A very fine color. Price per oz., \$1.50; per pkt., 5c.

**Grandiflora Splendid Mixed.** Includes all of the above and many other shades and colors. Price per oz., \$1.25; per pkt., 5c.

**Star of Quedlinburgh.** Star-shaped Phlox of dwarf habit, with very pretty flowers, mixed colors. Price per oz., \$1.25; per pkt., 10c.

### Semi-Double Flowering.

Flowers are semi-double, and last much longer than those of the Single Phlox. The white is especially valuable as a cut flower.

**White.** Price per oz., \$3.00; per pkt., 10c.

**Bright Scarlet.** Price per oz., \$3.00; per pkt., 10c.

**Yellow.** Price per oz., \$3.00; per pkt., 10c.

**Mixed.** Price per oz., \$2.50; per pkt., 10c.

## Dwarf Phlox.

### Phlox Drummondii Nana Compacta.

These are the best for ribbon bedding or borders. The plants grow very symmetrically in neat little bushes about eight inches high; covered with flowers during the whole summer and fall.

**Snowball.** Flowers pure white; the plants resemble large snowballs when in full bloom. Price per oz., \$3.00; per pkt., 10c.

**Fireball.** Glowing, brilliant scarlet. Price per oz., \$3.00; per pkt., 10c.

**Violaacea.** Deep violet. Price per oz., \$3.00; per pkt., 10c.

**Dwarf Phlox, Mixed.** Price per oz., \$2.50; per pkt., 10c.

**Hardy Perennial Phlox.** One of the finest for hardy border; this seed is from the new large-flowered Grandiflora; height, 3 to 3½ feet. Price per oz., \$3.00; per pkt., 10c.



## Poppies.

Well-known hardy annuals and perennials, flowering in profusion throughout the summer. The brilliant colorings of the poppy family, both single and double, varying as they do from the most intense scarlet down through the whole range of coloring to the delicate pink, yellow and white, make them indispensable in the flower garden.

**The Shirley. Finest Mixed.** A beautiful type and a great variety of colors, from pure white and delicate pink to deep crimson and beautifully striped. A most charming variety. Two feet. Price per oz., 40c.; per pkt., 5c.

**Scarlet Field.** Brilliant scarlet. Two feet. Price per oz., 40c.; per pkt., 5c.

**Danebrog or Danish Cross.** Large flowers of brilliant scarlet, with a silvery-white spot on each petal, forming a white cross. Price per oz., 25c.; per pkt., 5c.

**Tulip Flowered.** Bright scarlet flowers borne well above the foliage. The petals form a tulip-shaped cup and after a time black spots appear at the base of each petal. Hardy annual. One foot. Price per oz., 60c.; per pkt., 5c.

**The Bride.** Pure white. Two feet. Price per oz., 25c.; per pkt., 5c.



**Poppies—Continued.**

**Mephisto.** Scarlet, violet spotted. Two feet. Price per oz., 30c.; per pkt., 5c.

**Umbrosum.** (Caucasian Poppy). Crimson, black spotted. Two feet. Price per oz., 30c.; per pkt., 5c.

**Mikado.** Double white striped crimson. Two feet. Price per oz., 30c.; per pkt., 5c.

**Double Carnation Flowered.** Finest Mixed. Two feet. Price per oz., 25c.; per pkt., 5c.

**Paeony Flowered.** Flowers of the largest size and paeony shaped. Finest mixed. Two feet. Price per oz., 25c.; per pkt., 5c.

**Fine Mixed.** Single. Price per oz., 25c.; pkt., 5c.

**HARDY PERENNIAL VARIETIES.**

**Oriental Hybrids.** Mixed. Price per oz., \$2.00; per pkt., 10c.

**Oriental Royal Scarlet.** Per oz., \$1.25; pkt., 10c.

**Bracteatum.** Orange-scarlet. Price per oz., 50c.; per pkt., 5c.

**Nudicaule Hybrids Mixed.** (Iceland Poppy). If sown early in spring will bloom first season. The delicate form and bright colors make them especially desirable as a border plant. Hardy perennial. One foot. Price per oz., \$1.25; per pkt., 10c.

**Physalis Francheti.**

*Chinese Lantern Plant or Winter Cherry.*

Fruit is large, deep red in color, edible and enclosed in large, balloon-shaped husks of brilliant orange red. Hardy annual. Price per oz., 75c.; per pkt., 10c.

**Portulaca.**

These brilliant and popular hardy annuals are of the easiest culture, luxuriant in an exposed sunny situation, and producing throughout the summer their various colored flowers in the greatest profusion.

**Golden Striped.** Straw color with golden or orange stripes. Single. Per oz., 75c.; per pkt., 5c.

**Alba. Single.** Clear white. Per oz., 75c.; pkt., 5c.

**Pink.** Delicate pink shade; single. Price per oz., 75c.; per pkt., 5c.

**Splendens.** Single, crimson. Price per oz., 75c.; per pkt., 5c.

**Splendid Mixed Single.** Per oz., 60c.; pkt., 5c.

**Large Flowering, Double Mixed.** Large percent flowers perfectly double, making a gorgeous display, remaining open all day. Price per oz., \$2.50; per pkt., 10c.

**Primula.**

*Chinese Primrose.*

A beautiful flowering plant for winter or spring decorations in the home or conservatory.  $\frac{3}{4}$ -oz. contains about 1,000 seeds.

**Alba Magnifica.** Finest fringed, yellow eye, pure white, of great substance, very beautiful. Price per  $\frac{1}{8}$ -oz., \$1.50; per pkt., 25c.

**Aurora.** Beautifully fringed; delicate pink. Price per  $\frac{1}{8}$ -oz., \$1.75; per pkt., 25c.

**Sedina.** 1912 novelty, deserves special attention. Great profusion of large fringed flowers of a brilliant carmine rose. Price per  $\frac{3}{4}$ -oz., \$3.00; pkt., 25c.

**Stellata.** A very pretty form with large heads of star-shaped flowers of various colors. Price per  $\frac{1}{8}$ -oz., \$1.50; per pkt., 25c.

**Single Flowering.** Finest fringed varieties mixed. Price per  $\frac{1}{8}$ -oz., \$1.25; per pkt., 25c.

**Fern-Leaved.** Finest mixed. Price per  $\frac{1}{8}$ -oz., \$2.00; per pkt., 25c.

**Primula Obconica.**

A profuse bloomer, bearing long stems with heads of ten or twelve flowers.

**Hybrids, Giant Mixed.** Price per  $\frac{1}{8}$ -oz., \$2.00; per pkt., 25c.

**Obconica Frimata Gigantea.** A fringed variety. Price per  $\frac{1}{8}$ -oz., \$4.00; per pkt., 25c.

**Polyanthus.**

*Primula Elatior.*

Showy, early spring, free-flowering plants, fine for either pot or outdoor culture; hardy perennials. Nine inches.

**Polyanthus, English.** The best single, all colors mixed. Price per oz., \$2.50; per pkt., 10c.

**Hardy Primroses.**

These are among the best of the early spring blooming plants. With a slight protection they will stand the winter, but do better if protected by a cold frame.

**Primula Japonica.** (Japanese Primrose). Mixed colors. Bright and showy flowers, borne in whorls on stems six to nine inches long. Price per oz., \$3.00; per pkt., 15c.

**Floribunda.** Yellow fringed variety. Price per  $\frac{1}{8}$ -oz., \$2.00; per pkt., 25c.

**Primula Auricula.** (See Auricula). Price per  $\frac{1}{4}$ -oz., \$2.00; per pkt., 20c.

**Pyrethrum.**

Handsome herbaceous plants of easy culture. *P. Aureum* is the well-known Golden Feather, so much used for carpet bedding, edging, etc. From the flowers of *P. Roseum* is obtained the Persian insect powder. *P. Hybridum* and varieties are among the handsomest of hardy flowering herbaceous plants.

**Grandiflorum Aureum.** (Golden Feather). Bright yellow foliage. Price per oz., 75c.; per pkt., 5c.

**Hybridum Grandiflorum.** Large-flowering, single mixed. Hardy perennial, ranging in color from light pink to deep red, with bright yellow centers. Price per oz., \$2.00; per pkt., 10c.

**Hybridum.** Double mixed. Large flowers resembling China Aster, only more refined. Price per  $\frac{1}{8}$ -oz., \$2.50; per pkt., 25c.



## Rhodanthe.

*Everlasting or Straw Flower.*

Garden annual, one foot high, flowering early and continuously. Flowers are of various colors.

**Mixed Colors.** Single. Price per oz., 75c.; per pkt., 5c.

**Double Rose.** Large flowered; varies. Price per oz., \$3.50; per pkt., 10c.

## Ricinus.

*Castor Oil Bean.*

Large, luxuriant, rapid-growing foliage, annual, with palm-like leaves; much used for sub-tropical effects on the lawn, or for centers of beds of foliage plants.

**Zanzibarensis.** The different varieties included in our mixture have light and dark green leaves and some of coppery bronze, changing to dark green, with reddish ribs; six to ten feet. Price per oz., 15c.; per pkt., 5c.

**Cambogiensis.** Leaves of a bronzy red maroon color, with large, red veins. Price per oz., 20c.; per pkt., 5c.

**Borboniensis.** Grows very large and rank; foliage green; 15 feet. Price per oz., 15c.; per pkt., 5c.

**Gibsonii Mirabilis.** Compact dwarf plants, 4 feet, very fine, red foliage and stems. Price per oz., 15c.; per pkt., 5c.

**Finest Mixed.** Price per oz., 15c.; per pkt., 5c.

## Rudbeckia.

*Cone Flower.*

These robust-growing plants are fine free-flowering annuals. Of very easy culture.

**Bicolor Superba.** An annual variety; bright yellow with black-purple center. Price per oz., 50c.; per pkt., 5c.

**Neumani.** Perennial; grows two feet; large golden-yellow flowers, with velvety maroon center cone. Price per oz., \$1.50; per pkt., 10c.

## Salpiglossis.

Annual, about 18 inches high, bearing throughout the season, large flowers of many beautiful colors, all exquisitely veined and laced.

	¼-oz.	Pkt.
Grandiflora Purple with Gold .....	50c.	10c.
Superbissima Rosea .....	50c.	10c.
Superbissima Brown and Gold .....	50c.	10c.
Superbissima Brilliant Crimson .....	50c.	10c.
Superbissima Large Flowering Mixed .....	50c.	10c.

## Salvia.

*Flowering Sage.*

Splendid ornamental plants for outdoor decorations, their beautiful spikes of brilliant scarlet and blue flowers being produced in great profu-

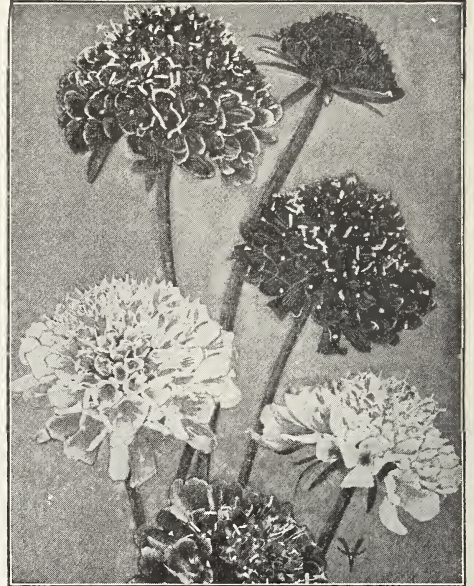
sion, from July until October. Half-hardy annual.

**Splendens.** Scarlet, free bloomer. Price per oz., \$3.00; per pkt., 10c.

**Splendens "Bonfire."** (Nana Compacta Erecta). Growing in a compact bush about two feet high. Its erect spikes of flowers of brilliant scarlet stand clear above the dark green foliage, and completely cover the plant. Price per oz., \$3.50; per pkt., 10c.

**Zurich.** Dwarf, early. Very free bloomer. Price per oz., \$5.00; per pkt., 25c.

**Patens.** Splendid deep blue. Price per oz., \$8.00; per pkt., 20c.



SCABIOSA, DOUBLE LARGE FLOWERING.

## Scabiosa.

*Mourning Bride.*

Beautiful annuals with large double flowers on long stems; fine for cutting; various colors.

**Candidissima Snowball.** White. One foot. Price per oz., 75c.; per pkt., 5c.

**Azure Fairy.** Lavender blue. Price per oz., 75c.; per pkt., 5c.

**Rose.** Price per oz., 75c.; per pkt., 5c.

**Large Flowering, Mixed.** Price per oz., 60c.; per pkt., 5c.

## Schizanthus.

*The Butterfly Flower.*

Free-flowering plants, bearing peculiarly shaped and oddly marked flowers. Annual.

**Grandiflorus Hybrids. Bright Red Mixed.** Price per oz., \$1.50; per pkt., 5c.

**Wisetonensis.** A new variety, excellent for potting; chiefly light colored. Price per oz., \$3.00; per pkt., 25c.



Silene.

Catchfly.

Annual, compact bushes, 6 inches high, densely covered with double and single flowers of white, pink or red.

Single and Double Mixed. Price per oz., 25c.; per pkt., 5c.

Smilax.

Myrsiphyllum.

Of great value for inside decoration. Greenhouse climber clothed from base to summit with small glossy green leaves.

Smilax. Price per oz., 75c.; per pkt., 10c.

Stevia.

Extensively used by florists. Beautifully effective with other cut flowers. The long but strong stems are branching and bear a multitude of fine white star-shaped flowers.

Serrata. Pure white and most desirable. Price per oz., \$2.00; per pkt., 10c.

Solanum.

An ornamental and interesting genus of fruit-bearing plants; singularly bright in fruit and foliage.

Capsicastrum. (Jerusalem Cherry). Covered with scarlet fruit during the winter. One and one-half feet. Price per oz., 50c.; per pkt., 5c.

Stocks.

Gilliflower.

The free-blooming, fragrant and charming colors of the stock have brought it into great popularity both for summer and winter flowering. For beds and borders they are very effective, the blooms exceedingly useful for cutting. Our seed here offered is saved with great care from pot-grown plants. Hardy annual.

Cut-and-Come-Again Ten Weeks Stock.

Dresden Perpetual or Branching.

Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing until frost, and are especially valuable during September and October, when other flowers are scarce. They throw out numerous side branches, all bearing very double, fragrant flowers. Excellent for cutting,

	¼-oz.	Pkt.
Princess Alice. Snow white .....	\$1.00	10c.
Apple Blossom .....	1.00	10c.
Flesh Color .....	1.00	10c.
Rose .....	1.00	10c.
Dark Red .....	1.00	10c.
Violet .....	1.00	10c.
Canary Yellow .....	1.00	10c.
Cut-and-Come-Again Mixed .....	1.00	10c.



A SPIKE OF LARGE FLOWERING STOCK.

Large Flowering Ten Weeks Stock.

A very superior strain of this class having a high per cent of double flowering plants; excellent for bedding; will continue flowering for a long period. Plants should be set about six inches apart so that single flowering plants may be weeded out.

	¼-oz.	Pkt.
Pure White .....	\$1.00	10c.
Brilliant Rose .....	1.00	10c.
Light Blue .....	1.00	10c.
Crimson .....	1.00	10c.
Purple .....	1.00	10c.
Canary Yellow .....	1.00	10c.
Large Flowering Best Mixed .....	1.00	10c.

Large Flowering Nice Stocks.

Excellent new sorts of vigorous growth, two to two and one-half feet in height; free flowering, fragrant and equally valuable for florists' winter or summer growing.

Meunt Blanc. Improved pure white, excellent for cutting .....	¼-oz.	Pkt.
Beauty of Nice. Produces several very large spikes, exceedingly double, of delicate flesh pink .....	1.00	10c.
Monte Carlo. Pure yellow; extra fine .....	1.00	10c.

Stokesia.

Cornflower Aster.

This plant grows about 24 inches high, bearing from 20 to 30 handsome lavender-blue corn-flower-like blossoms; in bloom from July till frost. One of the choicest subjects for the hardy border, and indispensable for cutting. Price per ¼-oz., 90c.; per pkt., 10c.



## The Choicest Spencer Sweet Peas.



New names of Spencer Sweet Peas are appearing so rapidly that to know them and what to select requires considerable time in experimental trials. Many of the sorts brought out only a few years ago have been dropped, while others are still unsurpassed. The newest are not always the best, and so this sifting process goes on each year. In the list below will be found a wide range of varieties, each having merits that make it worthy of a place in a list of the best Spencers. Our stock is grown with great care and has proved itself of the finest quality that are grown.

**America Spencer.** Ivory white ground, striped crimson, very large.

**Apple Blossom Spencer.** Standard pink, wings white shaded pink.

**Asta Ohn.** Pinkish lavender, good size, best Spencer form.

**Aurora.** White, flaked and mottled rich orange salmon.

**Countess Spencer.** Bright, clear pink; has large blossoms; possesses every characteristic desired in a sweet pea. This is the original Spencer.

**Dobbie's Cream.** A beautiful primrose. The best in this shade with many four-bloom sprays.

**Dobbie's Lavender (Geo. Herbert).** A much improved Florence Nightingale, which has been our best clear lavender.

**Elfrida Pierson.** A most popular shade of lovely pink, margined salmon. A flower admired by all. Easily one of the six best Spencers.

**Fiery Cross.** An entirely new shade of red in Sweet Peas, described by some as turkey red. Very brilliant and stands up well under sunshine. Price per oz., 75c.

**Jean Ireland.** Cream edged with deep pink. Very handsome, and will become one of the most popular. Price per oz., 75c.

**King White.** Wonderful giant glistening white. It is simply magnificent in beauty, size and form, of exceptionally vigorous growth. Certificates of merit have been given by the three leading horticultural societies of England, also a bronze medal by the Pennsylvania Horticultural Society.

**King Edward Spencer.** Bright crimson scarlet, which is almost sun-proof.

**Margaret Atlee.** A rich, glowing pink on cream ground, softly suffused with salmon. Exquisitely waved and often measure  $2\frac{1}{2}$  inches across the standard. Margaret Atlee was awarded a silver medal by the National Sweet Peas Society of Great Britain at the show in London, July, 1914.

**Mrs. Cuthbertson.** The best pink and white. Similar to but superior to Apple Blossom.

**Vermillion Brilliant.** A brilliant scarlet, and considered the finest.

**Wedgewood.** Described as a lovely light blue. It is by far the most beautiful of this shade, and received certificate of merit from the Penn. Horticultural Society at Philadelphia, June 26, 1913.

**White Spencer.** Pure white flowers of gigantic size; true Spencer form.

**Mixed Spencer.** Carefully proportioned, including up-to-date beautiful shades. Also some of the new hybrids not yet true enough to be brought out under named varieties, making of it a mixture that will surely please the most exacting. Price per oz., 25c.; per  $\frac{1}{4}$ -lb., 75c.; per lb., \$2.50.

**New Miriam Beaver.** New and distinct. Briefly the daintiest and most pleasing shade of soft salmon pink on cream ground. Price per oz., 75c.

**Othello Spencer.** Large rich maroon.

**Royal Purple.** The best purple, a strong grower and very floriferous.

**Senator Spencer.** One of the largest, chocolate and seal brown striped, flaked and mottled on ivory white.

**Sterling Stent.** One of the richest colored Sweet Peas in cultivation; of deep salmon, suffused with orange.

**Thomas Stevenson Spencer.** Orange scarlet, of the finest form and very large.

Price on any of above varieties except noted: Per pkt., 10c.; per oz., 50c.; per  $\frac{1}{4}$ -lb., \$1.50; per lb., \$5.75.



**Sweet Peas—Continued.****GRANDIFLORA VARIETIES.**

**America.** Crimson scarlet, striped on white.  
**Black Knight.** Deep maroon, veined black.  
**Blanche Ferry.** Rose with white wings.  
**Dainty.** White, delicately pink tinged edge.  
**Dorothy Eckford.** Large, pure white, open form.  
**Earliest of All.** An early strain of Blanche Ferry. White and pink.  
**Janet Scott.** Bright pink and buff.  
**King Edward VII.** Beautiful bright red.  
**Lady Griseld Hamilton.** Lavender.  
**Lord Nelson.** An improved navy blue.  
**Mont Blanc.** Pure white, extra early.  
**Mrs. Walter Wright.** Cream pink, changing to mauve.

Price on all above, except where noted: Per pkt., 5c.; per oz., 20c.; per lb., \$2.00.

**Choice Mixed Grandiflora.** Price per pkt., 5c.; per oz., 15c.; per ¼-lb., 40c.; per lb., \$1.40.

**Sweet William.**

*Dianthus Barbatus.*

Attractive, free-flowering hardy perennials, producing a splendid effect in beds and borders with their rich and varied flowers.

	Oz.	Pkt.
<b>Single White</b> .....	\$.50	5c.
<b>Single Pink Beauty</b> .....	1.00	10c.
<b>Single Dunnetti Crimson</b> .....	.50	5c.
<b>Single Nigrescens.</b> Dark maroon .....	.75	5c.
<b>Single Holborn Glory.</b> A large-flowered strain of Auricula-eyed, beautiful colors all showing the white center .....	.75	5c.
<b>Single Mixed Giant</b> .....	.50	5c.
<b>Double White</b> .....	1.50	10c.
<b>Double Pink Beauty</b> .....	1.50	10c.
<b>Dunnetti Fl. Pl.</b> Dark crimson .....	2.00	10c.
<b>Nigrescens Fl. Pl.</b> Darkest sort, very fine .....	2.00	10c.
<b>Double Mixed</b> .....	1.50	10c.

**Thunbergia.**

*Black-Eyed Susan.*

Ornamental, free-blooming climbers of rapid growth, handsome foliage, good for greenhouse culture, or in warm situations out-doors. Half-

hardy annuals. Fine mixed. Price per oz., 75c.; per pkt., 5c.

**Valerian.**

*Garden Heliotrope.*

An old-fashioned garden perennial bearing fragrant flowers of red, rose and white. Price per oz., 50c.; per pkt., 5c.

**Verbena.**

A low-growing annual, profuse in its blooms, ranging from brilliant and startling colors to soft and delicate tints. Our mammoth strain produces large trusses of brilliant, beautiful flowers.

	Oz.	Pkt.
<b>Mammoth White</b> .....	\$1.50	10c.
<b>Mammoth Rose and Carmine</b> .....	2.50	10c.
<b>Mammoth Purple Shades</b> .....	1.50	10c.
<b>Mammoth Scarlet Dark Shades</b> .....	1.50	10c.
<b>Hybrida Striped</b> .....	1.50	10c.
<b>Hybrida Auriculiflora</b> .....	1.50	10c.
<b>Mammoth Choice Mixed</b> .....	1.50	10c.
<b>Hybrida Fine Mixed.</b> Many colors ....	1.25	5c.

**Vinca.**

*Periwinkle or Old Maid.*

Dark green foliage, handsome rose and white single flowers; very effective for beds and borders. Blooms continuously all summer from seed sown early in March. Half-hardy perennial.

	Oz.	Pkt.
<b>Rosea Alba.</b> White with rose center ..	\$1.00	5c.
<b>Alba Pure.</b> Pure white .....	1.00	5c.
<b>Mixed</b> .....	1.00	5c.

**Wall Flower.**

A well-known plant of the Gillyflower family, producing its rich orange or chocolate flowers in the spring, if protected in the house during the winter. Half-hardy perennial.

	Oz.	Pkt.
<b>Single.</b> Finest mixed .....	\$.50	5c.
<b>Double.</b> Finest mixed .....	3.50	10c.

**Zinnia.**

*New Giants.*

Annual of greatly improved size, beauty and brilliancy; of branching habit and superb colors; continues in bloom a long time; very effective in beds, groups or mixed borders. Half-hardy annual.

	Oz.	Pkt.
<b>Double White.</b> Large flowering .....	\$1.00	10c.
<b>Double Scarlet.</b> Large flowering .....	1.00	10c.
<b>Double Rose.</b> Large flowering .....	1.00	10c.
<b>Double Crimson.</b> Large flowering .....	1.00	10c.
<b>Double Golden Yellow.</b> Large flowering .....	1.00	10c.
<b>Double Buttercup.</b> New .....	2.00	10c.
<b>Double Mixed.</b> Giant flowering .....	1.00	10c.
<b>Double Quilled Mixed.</b> New .....	2.00	10c.
<b>Curled and Crested.</b> Mixed .....	.75	10c.
<b>Zebra.</b> Striped flowers, presenting a curious as well as pretty appearance..	.75	10c.

**Mixed Flower Seed.**

The seeds we offer as mixed comprise a wide variety at a much lower price than could be sold in separate packets. Nearly every garden has a spot which could be used to good advantage and satisfaction, yielding a continuous show, and supply for cutting.

	Oz.	Pkt.
<b>Dwarf Mixed</b> .....	\$.25	5c.
<b>Tall Mixed</b> .....	.25	5c.



**Caladium Esculentum.**

## Caladium Esculentum.

*Elephant's Ear.*

One of the largest of ornamental foliage plants; grows in any garden soil, and when full size, stands four or five feet high, with immense leaves measuring four feet in length by two and one-half feet in breadth.

	Circumference.	Each.	Per 10.
Extra Large .....	12 in. and over,	25c.	\$2.25
First Size Bulbs .....	9 in. and over,	15c.	1.30
Second Size Bulbs .....	7 in. and over,	10c.	.90
Third Size Bulbs .....	5 in. and over,	5c.	.45

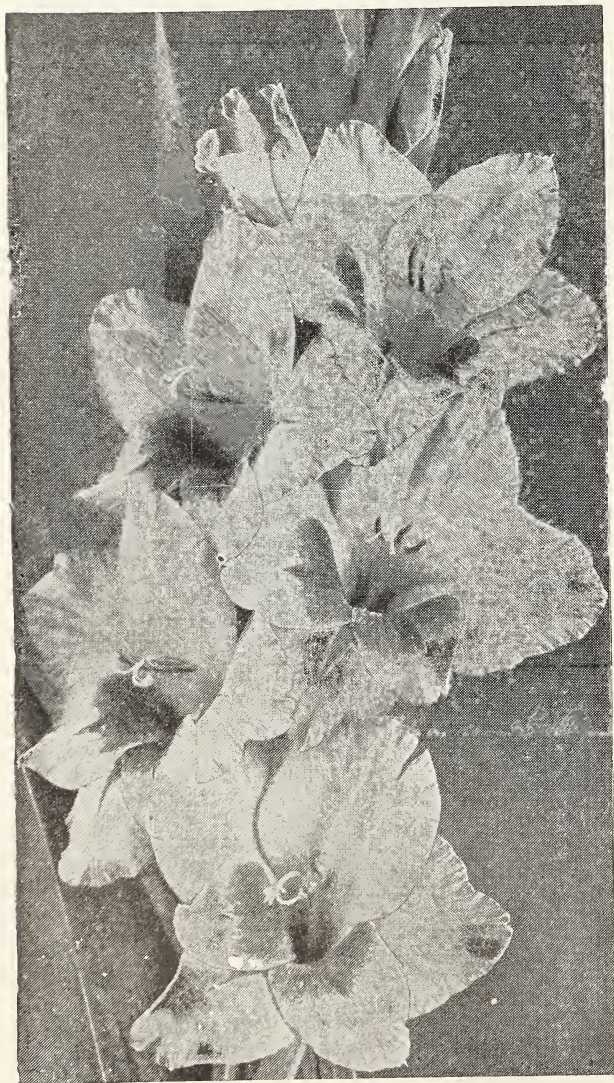
## Madiera Vine.

The Madeira Vine is a beautiful climber, with thick glossy light green leaves, climbing twenty feet or more, and twining in any desired form. Price, each, 5c.; per ten, 45c.

## Double Tuberose.

The Tuberose, being a native of a tropical climate, requires the extreme heat of summer, and will not bloom till late, unless started in the forcing-house or hot-bed, in February or March. They

may be transferred to open ground after the soil has become warm and settled summer weather prevails. The bulbs are extremely sensitive; a slight freezing destroys the crown or heart.



## Excelsior Dwarf Pearl.

	Each.	Per 10.	Per 100.
First Size .....	6c.	50c.	\$4.75
Second Size .....	5c.	40c.	3.50

## Cinnamon Vine.

Beautiful summer climber; glossy foliage and fragrant flowers; stem dies down in winter, but the root is hardy.

Large selected roots. Price each, 5c.; per ten, 45c.

## Gladiolus.

The most brilliant and showy of all summer-flowering bulbs. Their immense spikes of gorgeous bloom comprise in color all shades from white to the deepest scarlet, purple and yellow, with blotchings and markings of charmingly contrasted shades. They will grow in any good garden soil, and bloom with the most ordinary care. The bulbs should be planted at intervals in April and May, to secure a succession of bloom. Take up in the fall and store in a dry cellar or other cool place, well protected from frost.

## Gladiolus Bulbs.

### Choice Mixtures.

**Meadowvale Mixture.** First size, all colors. Each, 4c.; per ten, 35c.; per 100, \$3.00.

**Groff's Hybrid Seedling.** "Choice Mixture." Each, 4c.; per ten, 35c.; per 100, \$3.00.

**Shades of White and Light.** Each, 4c.; per ten, 35c.; per 100, \$3.00.

**Shades of Pink and Rose.** Each, 4c.; per ten, 35c.; per 100, \$3.00.

**Shades of Red.** Each, 4c.; per ten, 35c.; per 100, \$3.00.

**Shades of Yellow.** Each, 7c.; per ten, 65c.; per 100, \$6.00.

**Striped and Variegated.** Each, 4c.; per ten, 35c.; per 100, \$3.00.

**GLADIOLUS.**



## VEGETABLE PLANTS AND ROOTS.

We grow large quantities of vegetable plants and roots, and can supply all the varieties listed below in their proper season.

**Artichoke** (Jerusalem.) Per lb., 10c.; 3 lbs., 25c.; pk., \$1.00; bu., \$3.50.

**Asparagus Roots.** Two years old; Conover's Colossal, Barr's Mammoth, Palmetto, Giant Argenteuil. Per 100, \$1.00; per 1,000, \$7.00.

**Cabbage Plants.** (Hot-bed or transplanted in flats.) Ready after April 1st. Early Jersey Wakefield, Early Drumhead, Succession. Price per ten, 15c.; per 100, \$1.25; per 1,000, \$10.00. Field plants, June and July, per 100, 50c.; per 1,000, \$4.00.

**Cauliflower Plants.** (Hot-bed). Price per ten, 15c.; per 100, \$1.25.

**Celery Plants.** Ready July 1st. Price per ten, 10c.; per 100, 50c.; per 1,000, \$4.50.

**Chives.** For flavoring. Price per clump, 10c.; per ten, 90c.

**Egg Plants.** Ready in May and June. Transplanted—35c. per ten, \$3.00 per 100. In pots—75c. per ten, \$5.00 per 100.

**Fennel Roots.** Three years old. Price each, 15c. to 25c.; per ten, \$1.25 and \$2.00.

**Horse Radish Sets.** Price per ten, 10c.; per 100, 50c.; per 1,000, \$3.00.

**Bohemian or "Maliner Kren."** Per ten, 15c.; per 100, 75c.; per 1,000, \$5.00.

**Lettuce Plants.** Ready in April and May. Per ten, 15c.; per 100, \$1.00.

**Pepper Plants.** Ready in Many and June. Per ten, 15c.; per 100, \$1.25.

**Rhubarb Roots.** Linnaeus and Victoria. Strong roots. Price each, 20c.; per ten, \$1.75. Small roots, each, 15c.; per ten, \$1.25; per 100, \$10.00.

**Sweet Potato Plants.** Yellow and Red. Price per bunch of twenty-five, 20c.; per 100, 50c.; per 1,000, \$4.00.

**Tomato Plants.** Transplanted. Ready in May and June. We can always supply through season well-grown plants of the leading varieties. Price per ten, 20c.; per 100, \$1.25.

**Wormwood Roots.** Price, each, 25c.; per ten, \$2.00.

Special quotations on application for large quantities.

## INSECTICIDES AND FUNGICIDES.



**Ant Destroyer.** Q. R. S. Black ant destroyer is a non-poisonous powder which,

sprinkled around their haunts, will destroy or drive them away from lawns, trees, plants, houses or other affected locality. Price per ½-lb. can, 50c.

**Arsenate of Lead** (Dry). Glidden. A powder manufactured by a new process, making the finest product for either dusting or spraying. Once use this new powder and we believe you will never use paste again. Use one-half in weight the amount of paste. Price, ½-lb., 35c.; 1 lb., 65c.; 5 lbs., \$2.75; 10 lbs., \$4.50; 25 lbs., \$10.50; 50 lbs., \$19.50.

**Bordeaux Mixture.** (Paste). (Standard formulae 10 lbs. makes from 20 to 50 gallons spray). Ready for use by simply adding water. An indispensable Fungicide, preventing black rot, mildew, blight, rust, scab, and all fungoid diseases on fruits and plants. Per lb., 25c.; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.75; 50 lbs., \$6.75; 100 lbs., \$12.75.

**Bordeaux Mixture.** (Dry Powder). Glidden. Same as liquid in effect. Prepared for dusting or spraying purposes. Mixed with

Arsenate of Lead is a valuable combination for chewing insects. Price per lb., 45c.; per 5 lbs., \$1.85; per 10 lbs., \$3.00; per 25 lbs., \$6.75; per 50 lbs., \$12.00.

**Bordeaux Lead.** (Powder). This combination has great killing power, together with the best fungicide known, making it a complete spray for many uses. We recommend it strongly where both chewing insects and blight are to be prevented. Prices: 1 lb., 50c.; 5 lbs., \$2.00; 10 lbs., \$3.40; 25 lbs., \$7.75; 50 lbs., \$14.50.

**California Wash.** (Concentrated). (Lime and Sulphur solution, without sediment). Recommended for San José Scale, Oyster Shell Scale, etc. Ready for use by adding 10 to 40 gallons water to each gallon. One-qt. can, 40c.; 1-gal. can, 85c.; 5-gal. can, \$2.50; 10 gal., \$4.75; 50-gal. bbls., \$14.00; 5-bbl. lots at special rates.

**Cut Worm Food.** It does not injure or affect the growing plants in any way, and if applied as directed on packages there should be little trouble of this pest. Per one lb., 25c.



**Grape Dust** is a preparation to kill the destructive mildew that strikes the grape vine and other plants or trees affected with mold, mildew, or rust mites, and for any use where a fumigator or antiseptic is required. Price, five-pound package, 65c.; ten-pound package, \$1.20.

**Hellebore, Powdered White.** For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple, and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved, 1 oz. in 3 gallons water. Price per ¼-lb., 15c.; ½-lb., 30c.; 1 lb., 55c.



## Insecticides and Fungicides—Continued.

**Kerosene Emulsion.** Prepared according to the most improved formulae; ready for use by simply adding water (25 to 50 parts water to one of Emulsion). For cabbage worms, scale on trees, caterpillars, melon louse, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. Price per 1 qt., 50c.; per 1 gallon, \$1.40; 5 gallons, \$6.00.



**"Nico-Fume" Tobacco Paper.** A tobacco paper strongly saturated with pure nicotine. It comes in strips, which, suspended and lighted, is one of the best, easiest, simplest and least injurious



Nicotine Fumigator.

methods of fumigating conservatories and greenhouses for the destruction of aphids and all insects that succumb to tobacco insecticides. One sheet is sufficient for two thousand cubic feet or more. Packed in airtight cans. Price, 24 sheets, \$1.25; 144 sheets, \$5.00; 288 sheets, \$9.50. **"Nico-Fume."** "Nico-Fume" is made from very high strength Nicotine solution and is free from the Ammonia and excessive Nitrates contained in tobacco stems. Therefore, many delicate plants which would be seriously damaged by smoke from tobacco stems may be strongly treated with "Nico-Fume" without the least injury—it neither deforming the buds nor discoloring the blooms nor leaving any odor upon them. "Nico-Fume" liquid contains never less than 40% nicotine. "Nico-Fume" liquid may be satisfactorily employed either for fumigating or for spraying. Price: ¼-lb., 65c.; lb., \$2.00; 4 lbs., \$7.50; 8 lbs., \$14.50.

**Nicotine Solution ("Black Leaf 40").** Active ingredient nicotine 40% in a sulphate form. Especially adapted for all soft bodied sucking insects or aphids in the open not being "free." Use 1 oz. in six to twelve gal. water, according to use. Per oz., 25c.; ½-lb. tin, \$1.00; 2-lb. tin, \$3.25; 10-lb. tin, \$13.75.

**Nicotine Fumigator,** consisting of pan, wire frame and the lamp, are very durable and will last for years. Price, 80c.

**Paris Green, Strictly Pure.** A poisonous insecticide in powder form for insects which chew. As a liquid use 1 lb. to 50 to 100 gallons water. Per ¼-lb., 20c.; per ½-lb., 40c.; per lb., 75c.

**Persian Insect Powder.** This is powder made from the flower of the Russian Pyrethrum, and valuable as a poison for lice on plants, water bugs, roaches, bed bugs, etc. Price per lb., 50c.

**Pyrox.** A combination spray for leaf-chewing insects and at the same time combining a fungicide in paste form. One pound makes from 5 to 10 gallons of spray. Price: 1 lb., 35c.; 5 lbs.,

\$1.40; 10 lbs., \$2.50; 25 lbs., \$5.75; 50 lbs., \$10.75; 100 lbs., \$20.00.

**"Scalecide."** For San José scale, cottony maple scale and Pear Psylla. It is not poisonous, being simply a mechanical preparation of petroleum oil that instantly mixes with cold water and is immediately ready to apply. One gallon of Scalecide to 20 gallons water, sprayed on your trees and bushes, will kill every scale it reaches without injury to tree or fruit bud, if applied in late fall or early spring while foliage is off. Safe and easy to apply. Price: 1 qt., 70c.; 1 gal., \$1.75; 5 gals., \$7.00; 10 gals., \$12.00; 30 gals., \$30.25; 50-gal. bbl., \$45.00.



**Soap, Whale Oil, with Tobacco.** "Sterlingworth." An excellent specific for the destruction of plant-infecting insects and parasites. Is equally valuable for removing vermin from animals, furniture, etc. Price per pound bar, 35c. each.

**Soap, Buchans' Carbolic.** For washing horses, cattle, dogs, pigs and other domestic animals (except cats). Use like other bug soap, rubbing it well in, and allowing the solution to dry on the animal. Price per package, 18c. and 40c.

**Slug Shot.** A non-poisonous and a very popular Insecticide; it requires no further mixing or preparation, easily applied, and not injurious to trees or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effective in destroying potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. Per 1 lb., 20c.; 5 lbs., 55c.; 10 lbs., \$1.05.



**Sulphur.** For making California wash and for the extermination of fungi and mildew on grape vines and other plant foliage. Price per lb., 8c.; 100 lbs., \$4.00. By barrel or larger quantities, get special quotations.

**Tree Tanglefoot** is a sticky substance similar to that used on Tanglefoot fly-paper. It is a most simple and economical remedy for protecting trees against canker worms or any other climbing insects. Will remain sticky three months. Price: One lb., 50c.; 3 lbs., \$1.45; 10 lbs., \$4.50; 20 lbs., \$8.75.

**Tobacco and Sulphur Insecticide and Fertilizer.** It will destroy rose bugs, lice, cut worms, vine bugs, tomato worms, currant worms, cabbage lice and parasites of all descriptions. Mix thoroughly with earth in pots; or in hills, one part powder to five parts earth. In 25c. and 50c. packages.

**Tobacco Dust.** This is the leaf and refuse of tobacco manufacture, ground to a fine powder and a specific for aphids, fleas, beetles, etc. It is also a good fertilizer and preventive for insects in the ground and about roots. Price per lb., 20c.



## Insecticides and Fungicides—Continued.

**Tobacco Stems**, in bales of 250 to 300 lbs., \$2.50 per 100 lbs.

**Weed Killer, "Herbicide."** This is a combination of chemicals in concentrated liquid form for use in clearing grass and weeds from roads, gutters, tennis courts, etc. "Herbicide" not only kills both tops and roots, but also seeds, and has a sterile effect on the ground, thus retarding the growth

of future crops. It is applied by means of a sprinkling can or apparatus, diluted, one gallon "Herbicide" with 20 to 40 gallons of water. Each diluted gallon will cover about 25 square feet of ground. It is not injurious to metal, stone or woodwork, and does not stain the ground. It binds and lays dust. Price, 1 qt., 60c.; 1 gal., \$1.75; 5 gals., \$7.00; 10 gals., \$12.50.

## FERTILIZERS.

### Feed Your Plants and See Them Grow!

**Note Regarding Fertilizers for Season 1921:** *Owing to the extreme fluctuations on the prices of all fertilizer materials, we quote below prices at which we expect to be able to supply them. These prices are not binding, but are given as a guide only. We have prepared for the season's requirements as well as conditions permit, and have liberal stocks of materials, on which we will be glad to quote lowest market values on application.*

**Platt's Concentrated Plant Food.** This is a highly concentrated form of Plant Food for house plants, conservatories and small outdoor plantings. It may be applied dry or in solution and is sure to produce satisfactory results. Price, small package, 20c.; large size, 30c. By mail, add 6c. or 7c. for 150-mile limit.

**Bowker's Food for Flowers.** An excellent fertilizer for house plants. Clean to handle, no odor. Price, small packages, 20c.; large packages, enough for twenty plants, one year, 35c. By mail add postage for 8 and 16 ounces.

**Acid Phosphate.** Guaranteed 16% phosphoric acid. Per 100 lbs., \$2.50; per ton, \$38.00.

**Atlantic Fertilizer. 2-8-2.** Made up especially for corn, oats, rye, etc. It is manufactured of animal matter—blood, meat, bone, etc. Can be used with or without barnyard manure with good results. Per 100-lb. bag, \$3.00; per ¼-ton, \$14.25; ton, \$47.25.

**Atlantic Special Vegetable. 3-8-4.** It is formulated so as to act quickly and last all the growing season. Note this contains 4% of potash. Per 100-lb. bag, \$3.50; per ¼-ton, \$17.00; per ton, \$57.75.

**Atlantic. 4-8-6.** A good complete fertilizer for general purpose, especially potatoes and garden truck crops. Contains 6% potash. Price per 100-lb. bag, \$4.00; per ¼-ton, \$19.75; per ton \$68.25.



**Pure Pulverized Sheep Manure.** A pure natural manure, and most nutritious for plants. Its effect is immediate and lasting. Excellent for mixing with the soil for greenhouse plants (one part manure and six parts soil). Strewn over and dug

into the vegetable garden, or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes rich, safe and quick liquid manure; one pound to five gallons of water can be used daily, if necessary, with safety. Price: 5 lbs., 30c.; 12½ lbs., 65c.; 25 lbs., \$1.00; 50 lbs., \$1.85; 100 lbs., \$3.50; 500 lbs., \$15.00; one ton, \$55.00.

**Ground Bone.** This is for general fertilizing purposes and valuable on the lawn, meadow, or in the garden. The finer particles are immediately beneficial, the coarse keeping up the supply of plant food for a long period. Five lbs., 35c.; 25 lbs., \$1.25; 100-lb. bags, \$4.00; ton, \$70.00.

**Lime. Ground Limestone.** 40 mesh. Price per 100 lbs., \$1.00; per ton, \$12.75. In burlap bags.

**Land Plaster or Gypsum.** It is an excellent addition to land requiring lime and sulphates, particularly for such crops as turnips, potatoes, grasses and clovers. Quantity required, broadcasted and harrowed in, one-half to one ton per acre. Price per 100-lb. bag, \$1.25; per ton, \$17.00.

**Hard Wood Ashes.** Contain all fertilizing elements except nitrogen. They drive away insects, and are beneficial for all crops requiring potash. They are also very good for garden and field crops, and are of high value for cabbage, potatoes, onions, strawberries, fruit trees, grass-lands and lawns. Apply one or two tons per acre. Price per 100 lbs., \$2.00; per ton, in barrels, \$25.00.

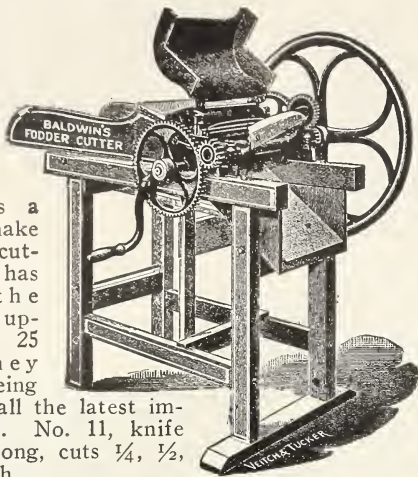
**Nitrate of Soda.** This is valuable solely for the nitrogen it contains. It is very quick in action and hastens the maturity of the crops. Being extremely soluble, it should not be applied until the plants are above ground, when one hundred to five hundred pounds per acre, mixed with wood ashes or land plaster, for convenience in applying, are generally used. Price per 5-lb. package, 40c.; 10-lb. package, 70c.; per 100 lbs., \$5.50. In original sacks (about 200 lbs.), at \$5.00 per 100 lbs.

**Muriate of Potash.** Eighty per cent pure, equivalent to 48 or 50 per cent actual potash. A high-grade fertilizer, and one of the best orchard fertilizers known. Especially adapted for all stone fruits, and as a general fertilizer, muriate of potash and ground bone stands as a leader. Price per 5 lbs., 60c.; per 25 lbs., \$2.75; per 100 lbs., \$10.00.

**Salt for Asparagus and other Crops.** In sacks of 100 lbs., \$1.50. For quarter-ton or more, get special quotations.



### Baldwin Improved American Fodder and Ensilage Cutter.



This is a standard make of fodder cutters which has been on the market for upwards of 25 years. They are now being built with all the latest improvements. No. 11, knife 11 inches long, cuts  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$  or 1 inch.

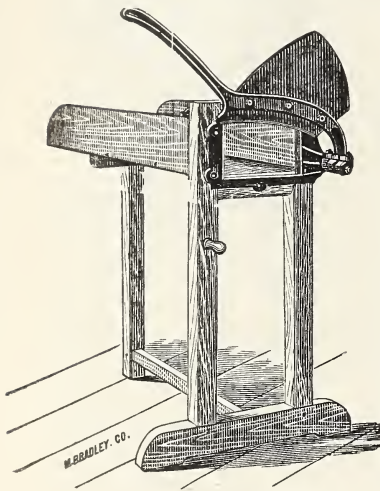
Write for price.

Other sizes quoted on application.

### Lever Feed Cutter.

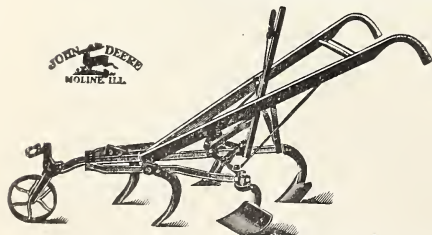
This style is a simple and durable machine. The device for adjusting the lever, being removed from the pivot, enables us to have a stationary pivot firmly attached to the machine and consequently not liable to get loose, as in all machines where the pivot is adjustable.

No. 1 .....	\$6.25
No. 2 .....	7.00
No. 2½ .....	7.35
No. 3 .....	9.45



### Steel Cultivator.

Five and Seven Tooth.



The Five-Tooth Cultivator, or Seven-Tooth, as desired, is one of the most useful tools among the smaller implements, as its several attachments and great adjustability adapt it for numberless uses and conditions.

**Planet, Jr., No. 9.** Five-tooth cultivator with expanding lever and new steel wheel, \$18.00.

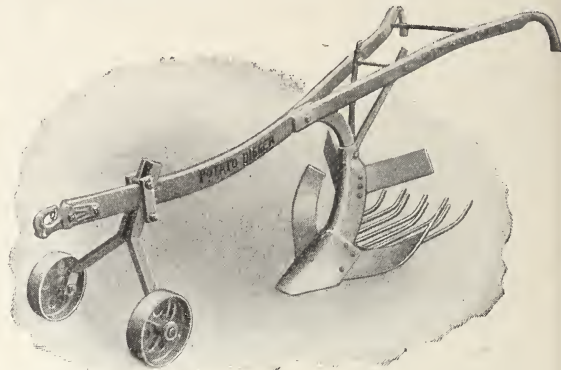
**Planet, Jr., No. 9,** with horse hoes, \$21.00.

**Planet, Jr., No. 83.** Seven-tooth cultivator with expanding lever and new steel wheel, \$20.25.

**Planet, Jr., No. 82,** same as No. 83, except with horse hoes, \$23.00.

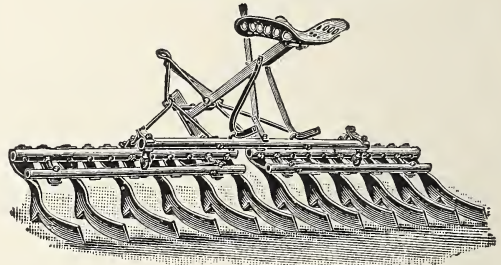
**Planet, Jr., No. 91.** Twelve-tooth cultivator or harrow with lever and wheel, \$18.00.

### "Hercules" Potato Digger.



This digger has given us most satisfactory results where an elevator digger is not needed. Weight, 94 pounds; made entirely of steel excepting the handles. It gets right down under the hill and leaves the potatoes on the surface. Price, \$18.00.

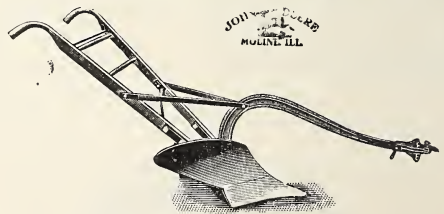
### Acme Pulverizing Harrow.



A general purpose harrow that crushes, cuts, turns, smooths and levels all in one operation.

No. 23H, two-horse, cuts six feet six inches. Price, \$28.00; discount for cash, \$2.00.

### John Deere Walking Plow.



Steel Frame Plow.

General Purpose Series.

Steel Beam.

Cast share. Hardened soft-center steel mold-boards. Wrought steel frame. High cast land-side, with cast slip heel. Double-beaded steel beam, high curve. Straight handles, interchangeable on all plows of same size and pattern. Fitted with wheel and jointer, or if hanging cutter, deduct 50c.

No. MP12F—Medium two-horse ..... \$25.50

No. 100, Chicopee, steel beam, right hand, with wheel and jointer ..... 25.25

No. 55, Chicopee, iron beam, right-hand plow, with wheel; light one-horse ..... 13.00

No. 1 National, wood beam, right hand, plain Wheel for National plows, add \$1.00. 11.00

Wheel and jointer, add \$3.50.



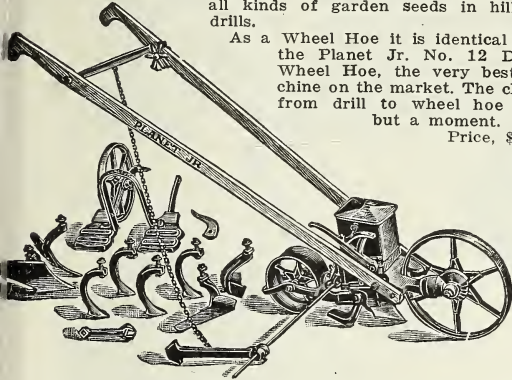
## "PLANET JR." FARM AND GARDEN TOOLS.

*A complete catalogue containing a full line of Planet Jr. implements free upon application.*

### Planet Jr. No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.

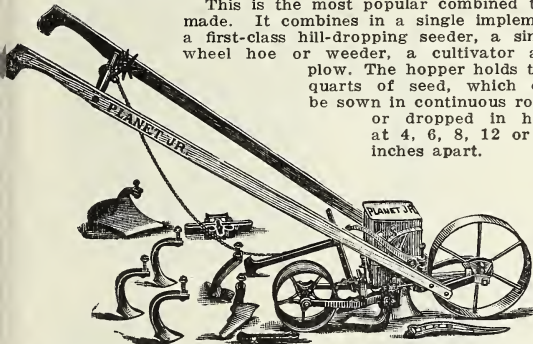
As a drill it is almost identical with the Planet Jr., No. 4 Drill, and is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills.

As a Wheel Hoe it is identical with the Planet Jr. No. 12 Double Wheel Hoe, the very best machine on the market. The change from drill to wheel hoe takes but a moment.  
Price, \$26.50



### Planet Jr. No. 4 Combined Seed Drill, Single Wheel Hoe, Cultivator and Plow.

This is the most popular combined tool made. It combines in a single implement a first-class hill-dropping seeder, a single wheel hoe or weeder, a cultivator and plow. The hopper holds two quarts of seed, which can be sown in continuous rows, or dropped in hills, at 4, 6, 8, 12 or 24 inches apart.

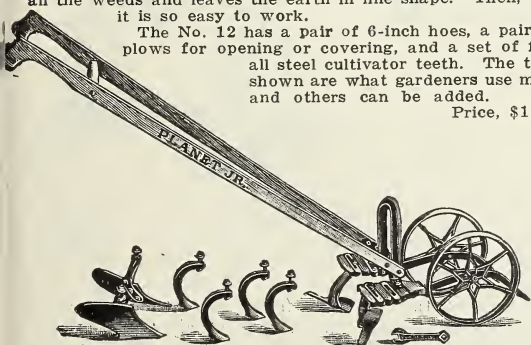


The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe.  
Price, \$23.50. As a drill only, \$18.75

### Planet Jr. No. 12 Double Wheel Hoe, Cultivator and Plow.

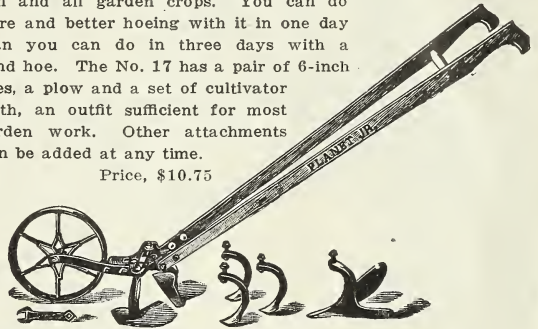
The No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. Then, too, it is so easy to work.

The No. 12 has a pair of 6-inch hoes, a pair of plows for opening or covering, and a set of four all steel cultivator teeth. The tools shown are what gardeners use most, and others can be added.  
Price, \$15.50



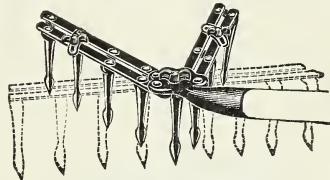
### Planet Jr. No. 17 Single Wheel Hoe, Cultivator and Plow.

For easy gardening, and at the same time clean and perfect gardening, no tool is the equal of this No. 17 Wheel Hoe. It is suited to all kinds of garden cultivation and all garden crops. You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work. Other attachments can be added at any time.  
Price, \$10.75



### Ulrich Hand Cultivator.

This is the best tool of its kind we have ever seen, and we have tried out many. It has steel blades, which do much better work with less energy than the simply flattened and sharpened prongs used on others. A handy tool; should be used in every garden.  
Price, \$1.50



"Pull-Easy" Adjustable Hand Cultivator.



Ulrich Hand Cultivator.

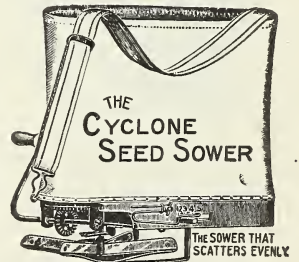
### "Pull-Easy" Adjustable Hand Cultivator.

Adjustable from 7 to 18 inches. Shape of steel teeth make it cultivate thoroughly, entering the ground without downward pressure. Handle 4½ feet white ash.

Price, \$1.50

### The Cyclone Seeder.

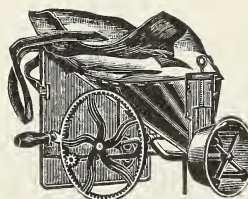
The seeder that sows evenly, because, although simple, the features that have taken years to work out and combine the now perfected "Cyclone" with slant feed board, oscillating automatic feeder and shut-off, dished feed wheel and triple gears. Price, \$3.00. Mailing weight, 4 lbs.



### The Cahoon Hand Broadcast Seeder.

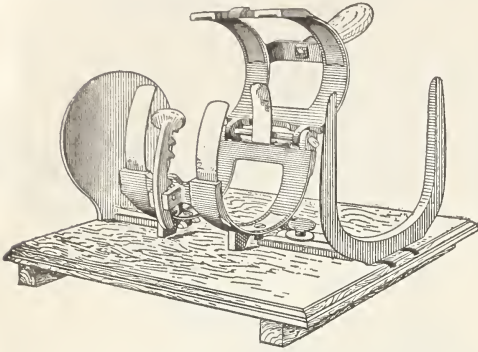
For Sowing ANY Grain or Grass Seed

It has positive and accurate feed. Malleable iron frame, steel hopper and gate,



brass discharger. Price \$5.25 each.



**Acme Asparagus Buncher.**

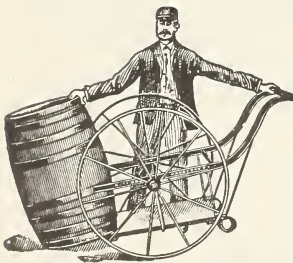
A great help to make bunches uniform and neat.  
Price, No. 1, \$3.00

**Apple Barrel Headers.**

A very useful contrivance for heading barrels, and every producer should have one.

Price of level header, \$1.00.

Price of screw header, \$1.25.

**The Butler Hand Cart.**

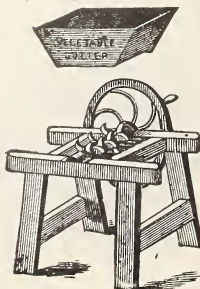
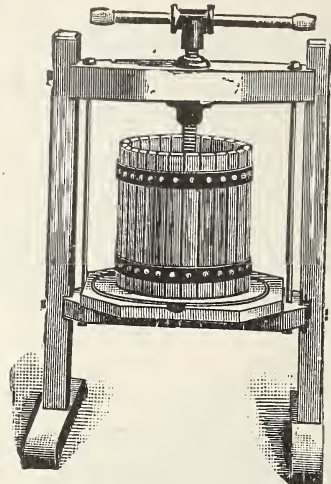
Platform, 28 x 32 inches. Useful for spraying. It is a great convenience for handling kegs, boxes, packages, etc. Can be used continually around the farm, dairy, creamery, garden, lawn, yard or stable. Light in weight, great strength and easily

handled. 2-inch tire, plain, \$12.25; with detachable box, \$16.00; 3-inch tire, plain, \$14.50; with detachable box, \$18.25.

**Champion Vegetable Cutter**

is made with a wrought shaft with sections of knives fastened to it and arranged so that a rotation of knives are continually passing a bed knife, cutting aways near the center shaft, making it cut easy, also very regular and fine enough for cattle or sheep.

No. 1, \$13.00.

**Cider and Wine Presses.**

These presses are much stronger and more durable than those usually sold, well braced and nicely finished. No. 4 has iron cross piece. The "Iamit" is a mill and press combined, that will give satisfaction where its capacity is ample. Size of cage is 12 inches diameter by 13½ inches deep.

No. 1	9½ x 10½	Prices quoted on application
No. 2	12 x 12½	
No. 2½	12 x 13	
No. 3	15 x 15	
No. 4	16 x 18	

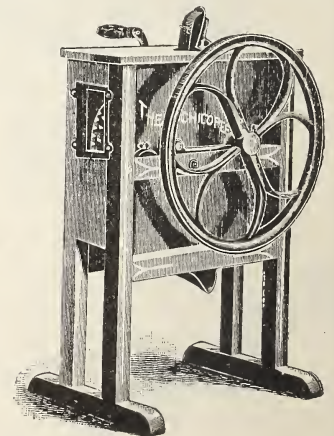
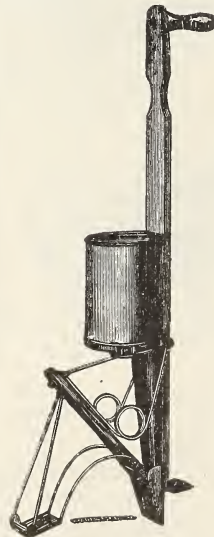
**Combined Cider Mill and Press.**

Single Tub	140 lbs.	Prices quoted on application
Junior	220 lbs.	
Medium	240 lbs.	
Senior	475 lbs.	

**Automatic Corn Planter.**

Can be regulated as to depth and amount of seed planted. Much more work, and with greater regularity, can be done than in the old way.

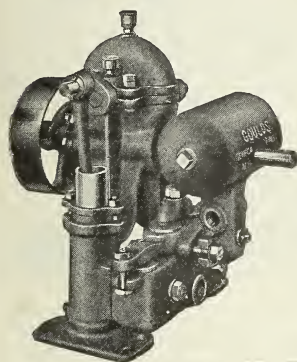
Price, \$3.50

**Corn Sheller.**

This is one of the most simple and popular shellers. Made in one size only, and that with separator. Has large heavy balance wheel. The working parts are held firmly together by solid shaft boxes. The shafts are steel, the hoppers iron, with steel spring.

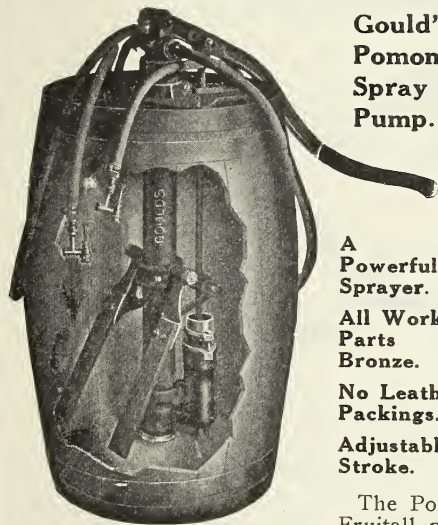
Price, \$14.25



**The "Sturdy" Duplex Power Sprayer.**

The Gould's New "Sturdy" is a high-grade, two-cylinder single-acting power pump, provided with a worm gear so it can be coupled directly to the engine shaft. No extra jack or gearing is necessary. The gear ratio is  $8\frac{1}{2}$  to 1, and the pump is therefore suitable for direct connection to engine with speeds of 400 to 600 revolutions

per minute. It is good for pressure up to 250 pounds. Two-inch drawn plungers. Price, quoted on application.

**Gould's Pomona Spray Pump.**

**A Powerful Sprayer.**

**All Working Parts Bronze.**

**No Leather Packings.**

**Adjustable Stroke.**

The Pomona and Fruitall pumps are the result of long

experience in the manufacture of spray pumps. They are strictly up-to-date and embody efficiency, durability and convenience. Price, Pomona Pump only, \$25.00; mounted on 50-gallon barrel, \$29.00.

Outfit P. A. Pump, not mounted, 25 ft. Dandy Hose, 10 ft. extension rod, with shut-off, one 1501 nozzle, \$41.00.

If with "Tiger" hose, deduct 50c. If with shut-off at pump, add \$1.70.

Fruitall similar to Pomona, but fastens to chime of barrel instead of head, and has two-inch cylinder. Price, pump only, \$16.00, with outfit same as for Pomona P. A., \$28.00. Send for special catalogue.

**The Aquapult or Portable Hand Force Pump**

Is made entirely of brass, has ball valves, and is double action, keeping a steady stream which can be thrown easily forty feet. It is furnished with three feet of hose, one straight stream and one rose nozzle. It will fit into an ordinary bucket and has foot rest to steady pump. Any length of hose can be added, and it can thereby be used for spraying tall trees. Price \$7.25

**The Auto Spray Pump.**

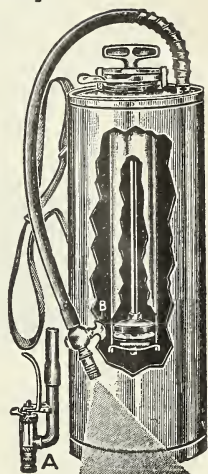
Light, strong, convenient, adapted to a great variety of uses. Seams double lock joint. Pump is brass and requires but few strokes to compress air sufficient to last a considerable time. We strongly advise brass tanks, as the galvanized steel tank is the only part which can give out and may not easily be replaced. Dimensions of tank, 21x7 inches. Capacity, four gallons.

Auto Spray, No. 1C, galvanized steel tank, \$7.50; with Auto Pop Nozzle (A), \$8.00.

Auto Spray, No. 1A, brass tank, \$11.00; with Auto Pop Nozzle (A), \$11.50.

Two-foot brass extension rods, 60c. each.

Elbow connections, 30c. each.

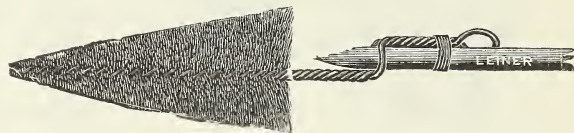


**PATENTED.**

**The Auto Spray Torch**

Is so constructed that a spray of kerosene is kept burning. With it tent caterpillars can be destroyed without injury to the trees in the least.

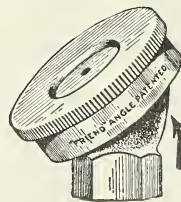
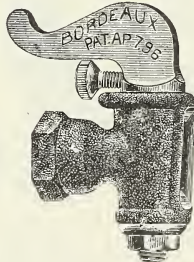
Price, \$1.00

**Wire Brushes**

for exterminating tent caterpillar nests. 50c.

**Spray Hose.** See page 80.

**Spray Nozzles.**



**FRIEND ANGLE.**

FRIEND NOZZLES do the work of two ordinary nozzles. Made of brass, in either straight or angle neck, with hardened tool steel disc placed into discharge cap and which can be removed and a new one inserted. Price for  $\frac{1}{4}$ -inch pipe, \$1.00; extra discs, 30c. dozen.

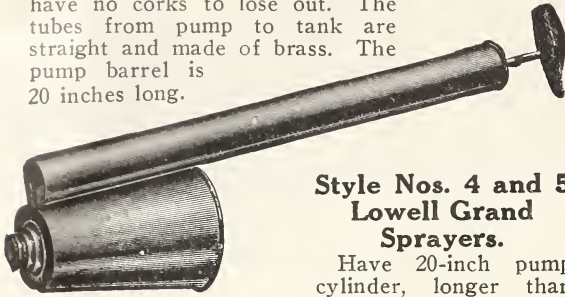
BORDEAUX NOZZLE, especially well adapted for whitewash spraying. Price, 90c.

*A special catalogue of Spray Pumps and Fittings will be sent free on request.*



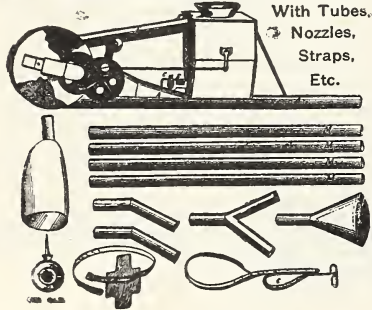
**Lowell Grand Sprayer.**

Throws a fine mist spray much farther and more dense than any other similar sprayer. They have no corks to lose out. The tubes from pump to tank are straight and made of brass. The pump barrel is 20 inches long.

**Style Nos. 4 and 5 Lowell Grand Sprayers.**

Have 20-inch pump cylinder, longer than any other kind.

No. 104.	Tin tank .....	\$0.55
No. 105.	Galvanized tank .....	.65
No. 125.	Single tube, tin .....	.60
No. 115.	Continuous, tin .....	1.00
No. 117.	Continuous, brass .....	1.75
No. 118.	Midget, tin, 14-inch .....	.50
No. 122.	Baby Midget, tin .....	.40

**LEGGETT'S DRY POWDER OR PARIS GREEN GUN****Champion Powder Gun No. 2.**

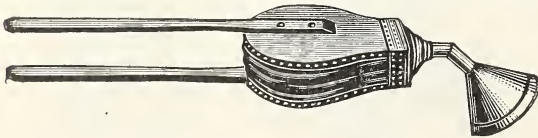
High gear and light running, will dust two rows potatoes at a time. Complete for high or low work.

Price, \$18.00

**Little Giant Duster.**

Distributes any dry powder, Paris Green, etc., to perfection. The machine keeps the poison at a distance from the operator. Can dust potato vines as fast as you walk, two rows at a time. Reservoir holds nearly a quart of powder. Weight of machine, six pounds.

Price, \$12.00

**Dusting Bellows.**

Will blow any dry powder. They are strong, durable and efficient.

Price, \$1.75

**Lowell Dust Blow.**

Works like a Lowell sprayer, but blows powder instead of liquid. The most handy small tool for dusting with powder, particularly Bug Death, Hellebore, Persian Insect Powder, Sulphur, etc.

Price, \$1.00

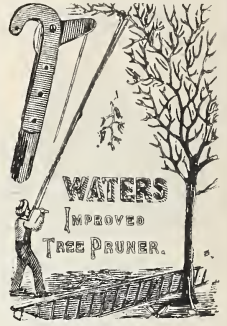
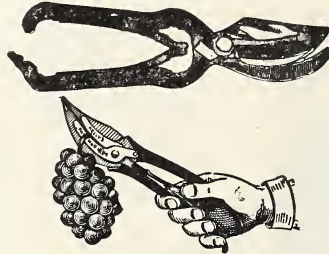
**Dickey Duster,**  
50c.

**Tree Pruners.**

**Detroit.** Blades and head of drop forged steel, a good strong pruner. Price: 10 or 12 ft., \$2.00; 14 or 16 ft., \$2.75.

**Waters.** The old well-known pattern, much lighter than the above. Price: 8 or 10 ft., \$1.25; 12 ft., \$1.50.

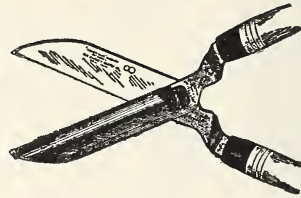
**Kansas Pruner.** A new pattern and very powerful. Will cut a green limb 1 3/8 inches through, or the smallest twig. Price, with 8-ft. handle, \$4.00.

**Pruning Shears.****Only good shears.**

No. 4665 .....	\$1.05
No. 2 .....	1.00
No. 4771 .....	1.70
No. 4773 .....	2.55
No. 4770, ladies' .....	2.00
No. 1887 .....	3.85
No. 541, grape .....	.35
Kelly Picking .....	.75

**Hedge Shears.****Imported English.**

No. 100, plain 9 in., \$2.80. No. 101, with notch for cutting branches, \$3.15. No. 107, 5 1/2-inch, \$2.45.



Border, No. 104, \$4.00; Border, No. 105, \$5.75. Lawn, No. 106, \$4.00; Lawn, No. 1062, \$6.50.

**Lopping Shears**

Are economically used for the removal of branches too large for the ordinary pruning shears, being much quicker than the saw.

**Detroit.** A powerful shear; easily cuts a broom handle. Price, \$2.80.

**Grass Shears,** 3074E, \$1.05. **Grass,** 357, 75c.

**Little Giant Grass Hook,** 60c.

**Pruning Saws.**

**Keystone Disston Saw.** Double edged, 16 in., \$1.10; 18 in., \$1.25; 20 in., \$1.40.

**Atkins No. 1,** 16-inch single edge, 90c.; 18-inch, \$1.00.

**Detroit Swivel,** similar to a butcher's meat saw, \$2.25.

**Potato Knife.**

**Humphrey's Concaved and Curved.** The potato can be cut easier, faster and better. Price, 25c.

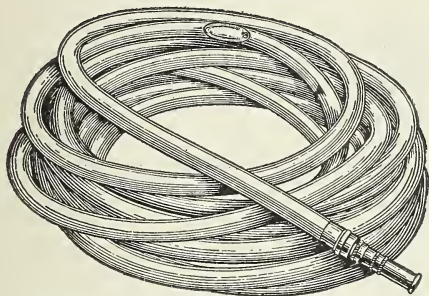
**Grafting Blade.**

One piece of forged steel—practical, compact, convenient. The best made tool for tree work. Price, each \$1.00.

**Trowbridge's Grafting Wax.** 15c. per 1/4-lb.; 25c. per 1/2-lb.; 45c. per lb.





**Garden Hose.**

**Bull Dog Brand Hose.** Improved especially for greenhouse use, and made in the  $\frac{3}{4}$ -inch size with  $\frac{3}{4}$ -inch couplings of special design, allowing a full flow of water. The highest brand of multiple fabric garden hose, made of seamless rubber tubing, seven plies of closely woven light duck, well frictioned, and a real rubber cover. Price in 25 or 50-foot lengths, 22 cents per foot.

**Good Luck.** This is a  $\frac{5}{8}$ -inch hose, and will carry about 80 or 90 per cent as much water as  $\frac{3}{4}$ -inch. On account of its slightly smaller size it gives economy of material to manufacture. Every effort has been made to make this the biggest value in garden hose at the price obtainable. Equipped with standard  $\frac{3}{4}$ -inch couplings. Price, in 25 or 50-foot lengths, 18c. per foot.

**"Electric" Woven Hose.**  $\frac{3}{4}$ -inch. Original and best corrugated hose made in 500-foot lengths. Price in 25 or 50-ft. lengths and over, coupled, at 23c. foot.

**Electric,** half-inch, per foot, 21c.

Extra charge for coupling less than 25 ft., 25c.

**Spray Pump Hose.**

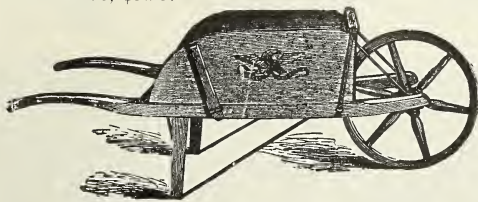
One-half inch. We offer grades only that have been carefully made, especially for that purpose.

"Dandy" ..... Per 100 ft., \$22.00  
 "Tiger" ..... Per 100 ft., 18.00

For less than 25 ft., add 2c. per ft. Cut only in multiples of 5. Coupling extra; common, 35c.; long tail, 90c.

**All Iron Hose Reel.**

Holds 100 feet  $\frac{3}{4}$ -inch hose. Has corrugated drum. Price, \$5.75.

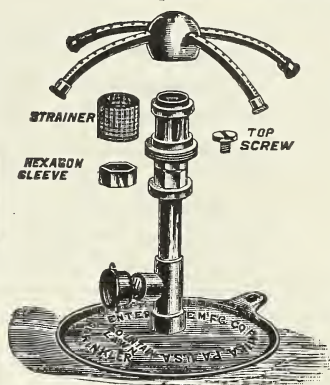
**Garden Barrows.**

Made from the best seasoned timber. The end of the bottom is cut into the back sill, thus preventing the splitting or breaking of the bottom boards. The wheel has a cast-iron hub with white oak or ash spokes and rims. The axle is wrought iron, with turned arbors. The whole barrow is reinforced and braced, making it light and especially strong.

**Buch's Garden Barrow,** \$8.50.

**Canal Barrow,** full bolted, \$7.50.

Prices liable to change.

**Enterprise Lawn Sprinkler.**

The weight of the revolving part is supported by the water. This reduces wear to a minimum. The water passes through a strainer before it enters the small perforations, which are thereby prevented from filling up. All parts are made sufficiently strong for ordinary rough usage, and are timed or nickel plated.

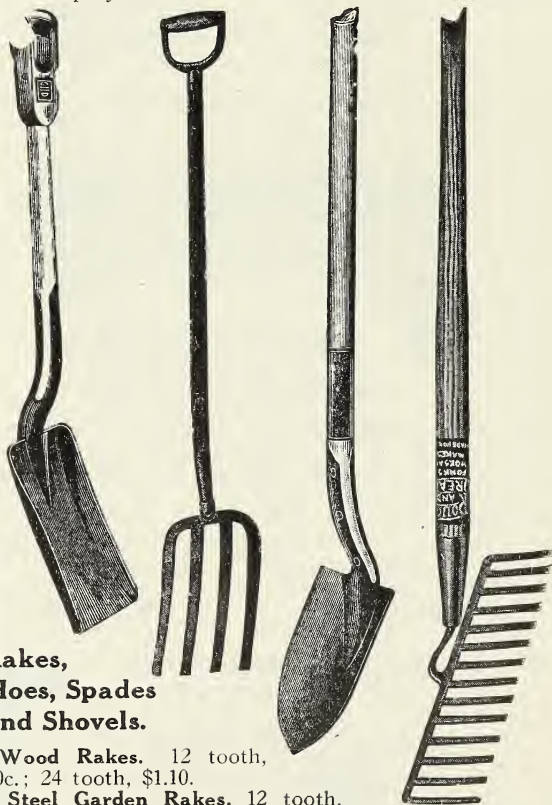
Price, \$4.75

**Fountain Lawn Sprinkler.**

Very simple and practical. Can be drawn over the lawn on the hose without detaching, and keeps right side up. Price, \$1.00 each

**Elgin Lawn Sprinkler.**

One of the best even under low pressure. A perfect spray. Price, \$1.00

**Rakes, Hoes, Spades and Shovels.**

**Wood Rakes.** 12 tooth, 70c.; 24 tooth, \$1.10.

**Steel Garden Rakes,** 12 tooth, 90c.; 14 tooth, \$1.00; 16 tooth, \$1.10; 18 tooth, \$1.20.

**Bow Handle Steel Garden Rakes,** 14 tooth, \$1.10.

**Steel Spades and Shovels,** long or short handles. Lee, \$2.00. Ames, \$2.35.

**Steel Hoes, Shank,** 5 inch, 75c.; 6, 6½, 7, 7½-inch, \$1.00; 8 and 8½-inch, \$1.10.

**Socket,** 7, 7½-inch, \$1.10; 8 and 8½-inch, \$1.10.

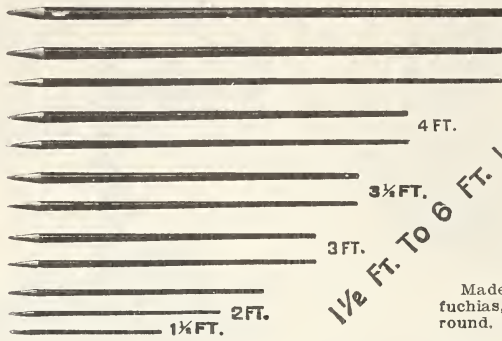
**Spading Forks,** long and short handles. 4-tine, \$1.50 to \$1.70; strapped, \$1.70 to \$1.80; 5-tine, \$2.00 to \$2.10; strapped, \$2.10 to \$2.15.

**Turf Edgers,** Shank, \$1.10; Socket, \$1.20.



**Light, for Frail Plants.**

Each.	Per 10.	Per 100.
\$ .17	\$1.60	\$14.85
.13	1.25	11.20
.11	1.05	9.40
.09	.85	7.50
.07	.65	5.75
.05	.45	4.00
.03	.25	2.10

**Plant Stakes.****6 FT.****Heavy, or Dahlia Stakes.**

Each.	Per 10.	Per 100.
\$ .29	2.75	\$25.00
.23	2.20	20.00
.18	1.75	16.00
.16	1.50	13.75
.14	1.35	12.00

Made for supporting frail plants, such as fuchsias, carnations, tuberose, etc. They are round, taper to the top, and are painted green.

**Cane Stakes, Bamboo.**

These are light and strong, used extensively by florists; easily cut to length desired. Light six-foot, diameter about  $\frac{3}{8}$ -inch. Per ten, 25c.; per 100, \$1.50; per 1,000, \$13.00. Eight-foot, diameter about  $\frac{1}{2}$ -inch. Per ten, 30c.; per 100, \$2.25; per 1,000, \$22.00.

**Cedar Bean Poles.**

Good quality, eight to ten feet, large and straight, sharpened.

Heavy, 8 to 10 feet, sharpened, 20c. each; \$2.00 per ten, \$12.50 per 100.

**Garden and Pot Labels, Painted.**

	Per 10.	Per 100.	Per 1,000.
4½ inch .....	\$ .05	\$ .25	\$1.85
6 inch .....	.06	.35	2.50
8 inch .....	.10	.80	
10 inch .....	.15	1.00	
12 inch .....	.20	1.25	

**Tree Labels, Painted.**

**Tree Labels, Painted.** Notched and copper wired, 35c. per 100; \$2.45 per 1,000.

**Improved Copper Tree Label.** Size 1, 15c. per ten, \$1.25 per 100. Size 2, 20c. per ten; \$1.50 per 100.

**Shuffle Hoe.**

6 in.	7 in.	8 in.
95c.	\$1.05	\$1.15

**Hazleton Weeder.**

Price, each, 25c.

**Excelsior Weeding Hook.**

This implement can be used to great advantage among small and tender plants. Price, each, 10c.

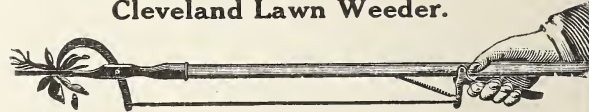
**Asparagus Knife or Weeder,** 50c.

**Dibber.**

All iron, 45c. Wood with iron point, 45c. Brass point, 75c.

**Garden Trowels.**

No. 215, 20c.; No. 214, 25c.; No. 212, 30c.; No. 211, 60c. Hoe Trowels, 45c. Bulb Trowel, 60c. No. 217, Transplanting Trowel, 15c.

**Cleveland Lawn Weeder.**

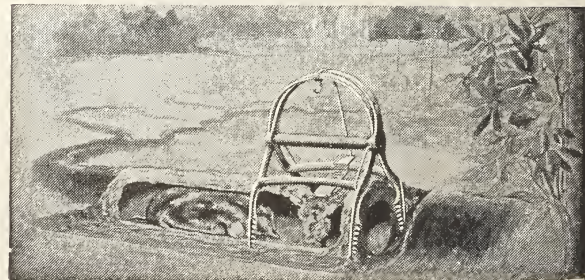
This little device gets at the root of the evil and removes it bodily. Price, 50c.



25c.

**Perfect Fruit Picker.**

Galvanized steel wire, attaches to pole of any length. Price, without pole, 60c.; price of pole, 40c.

**"Out o' Sight" Mole Trap.**

The secret of mole catching is a good trap and to know their habits. Full information sent with each trap. Price, each, \$1.25.



## Thermometers.

We carry in stock a complete line of thermometers suitable for use in a greenhouse, poultry and general work.

**Hot-bed.** Price, \$2.50.

**Incubator and Brooder.** (See Poultry Supplies).

**Maximum and Minimum.** Price, \$4.75.

No. 5410, 8-inch Japanned case, distance reading, 75c.

No. 5154, 8-inch Coppered case, distance reading, 75c.

**Japanned Tin Cases.** Seven-inch, 20c.; 8-inch, 25c.; 10-inch, 30c.

Different styles for general use, 40c., 50c., 75c. and \$1.00 each.



## Putty Bulb.

Price, \$1.00 each.

## Garden Reels.

Japanned (2 arms)  
small, 75c. each; large,  
\$1.50.

## Garden Line.

100 ft., 75c.



PUTTY BULB.



## Jute Tying Twine.

Two, three or five-ply, 20c. per ball; 35c. per pound.

## Mastica.

For glazing greenhouses, sashes, etc. Elastic, adhesive and easy to apply. Far superior to putty. One gallon will cover about 300 running feet, one side. Price per gallon, \$2.75; 5 gallons, \$13.50; 10 gallons and over, \$2.65 per gallon. Machines for applying Mastica, \$2.75 each.

## Watering Pots.

Quart.	Heavy Tin.	Galv.
1 .....	\$ .40	
2 .....	.50	
3 .....	.60	
4 .....	.70	\$ .75
6 .....	.85	.85
8 .....	1.00	1.00
10 .....	1.20	1.50
16 .....		2.00



**French.** Long, small spout. 2 qt., 50c.

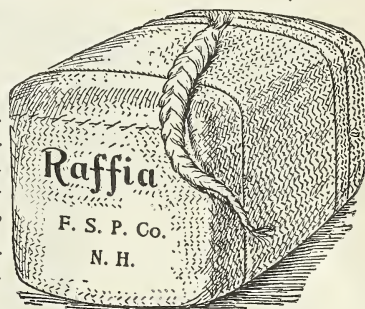
**Wotherspoon Watering Pots.** Extra heavy and long spout, for greenhouse use.

	Round.	Oval.
8 quart .....	\$3.75	
10 quart .....	4.00	\$4.50
12 quart .....	4.50	4.90

## Raffia.

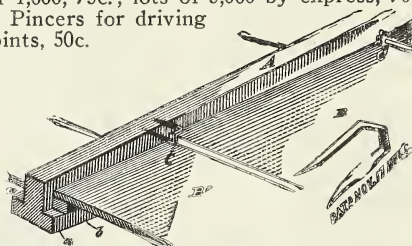
For tying plants, budding, etc., Raffia is superior to twine for bunching asparagus, celery, radish, cress, etc.

Price per lb., 35c.; per 1/2 lb., 20c.



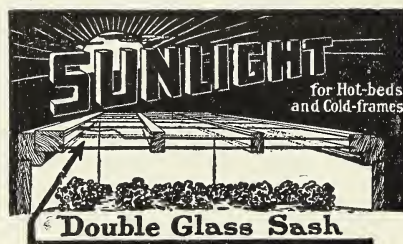
## Van Reyper's Peerless Glazier Points.

Made of steel wire and galvanized. Three sizes: No. 1 for small single thick; No. 2 for medium double thick; No. 2 1/2 for large double thick glass. Per box of 1,000, 75c.; lots of 5,000 by express, 70c. per 1,000. Pincers for driving the points, 50c.



## Hot Bed Sash--Regular.

3 ft. 2 in. x 6 ft. Glazed, \$6.50. Painted one coat.

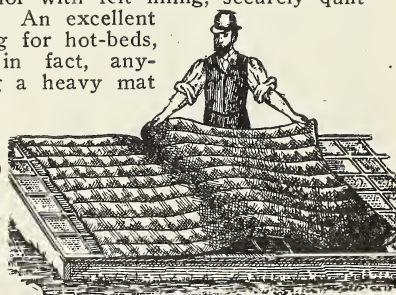


## Sunlight Double Glass Sash.

Having two layers of glass, with a space of five-eighths of an inch, which serves as the very best non-conductor. These sash require no mats, shutters or other covering, thereby saving an immense amount of labor, give longer growing time; results in earlier and stronger plants. Standard size, 3 x 6, 1 to 5 sash, glazed and painted, \$15.50 each. Special prices on five or more sash shipped direct from factory, with freight allowed.

## Hot-Bed Mats.

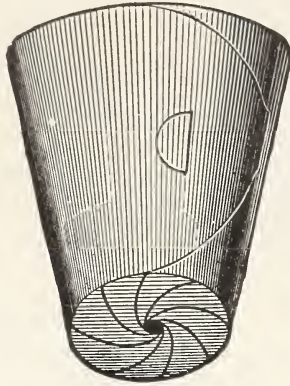
Burlap exterior with felt filling, securely quilted and bound. An excellent winter covering for hot-beds, cold frames, in fact, anything requiring a heavy mat covering for winter protection, 76 x 76 inches, \$3.00 ea.; \$35.00 per doz. Size 76 x 76 inches, water-proof, one side, \$4.25 ea.; \$47.50 per doz.





**"Neponset"  
Paper Flower  
Pots.**

Size.	Per 100	Per 1000
2 1/4	\$ .40	\$3.50
2 1/2	.50	4.00
3	.60	5.55
3 1/2	.80	7.60
4	1.00	9.25
5	1.60	14.65
6	2.00	19.85



**Standard Flower Pots.**

In.	Per 1000.	Per 10.	Each.	In.	Per 1000.	Per 10.	Each.
2	\$11.25	\$.12	\$.02	8	\$19.50	\$2.00	\$.22
2 1/4	12.75	.15	.02	9	30.00	3.25	.33
2 1/2	15.00	.18	.02	10	40.50	4.25	.45
3	19.50	.22	.03	11	60.00	6.25	.65
3 1/2	24.00	.25	.03	12	82.50	8.50	.90
4	30.00	.35	.04	14	135.00	14.00	1.50
5	54.00	.55	.06	15	210.00	22.00	2.30
6	81.00	.90	.10	16	300.00	31.00	3.30
7	135.00	1.40	.15				

**Saucers.**

Inches.	Per 100.	Per 10.	Each.
3 1/2	\$1.95	\$.20	\$.02
4	2.25	.25	.03
5	3.00	.35	.04
6	4.50	.50	.06
7	6.00	.65	.07
8	8.25	.85	.09
9	11.25	1.20	.13
10	13.50	1.40	.15
11	16.50	1.75	.18
12	20.25	2.10	.22
14	34.00	3.50	.36

**Bulb Pans.**

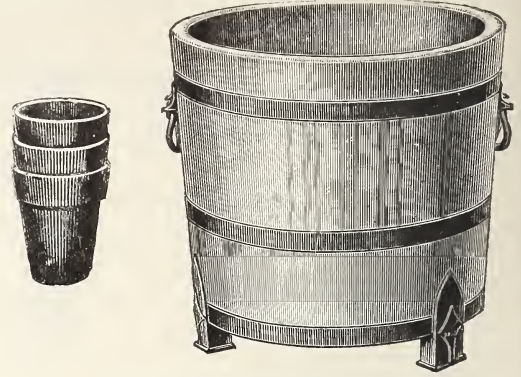
Inches.	Per 100.	Per 10.	Each.
6	\$8.10	\$.90	\$.08
7	13.50	1.40	.15
8	19.50	2.00	.22
9	30.00	3.25	.33
10	40.50	4.25	.45
12	82.50	8.50	.90
14	135.00	14.00	1.50

**Fern Pans.**

Inches.	Per 100.	Per 10.	Each.
4	\$4.50	\$.50	\$.06
4 3/4	6.00	.65	.08
5 1/2	7.50	.80	.10
6 1/4	9.00	.95	.12
7	10.50	1.10	.14
8	15.00	1.60	.18

**Azalea Pots.**

Inches.	Per 100.	Per 10.	Each.
4	\$3.00	\$.35	\$.04
5	5.40	.55	.06
6	8.10	.90	.08
7	13.50	1.40	.15
8	19.50	2.00	.22
9	30.00	3.25	.33
10	40.50	4.25	.45



**White Cedar Tubs.**

Painted Green, with Feet.

No. 1.	13 1/2 inches diameter	\$2.70
No. 2.	15 " "	3.00
No. 3.	16 " "	3.75
No. 3 1/2.	18 " "	5.00
No. 4.	21 " "	5.50
No. 5.	24 " "	7.00

**Extra Heavy White Cedar.**

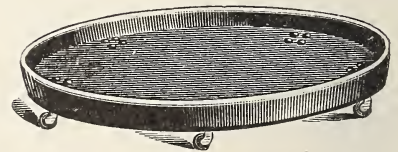
Painted Green, with Feet.

No. 0.	27 inches diameter	\$13.75 each
No. 1.	25 " "	12.00 "
No. 2.	23 " "	10.75 "
No. 3.	21 " "	8.75 "



**Fibre Ware Flower Pot Saucers.**

Inch.	Crates Contain.	Per 10.	Each.
5	100	\$4.35	\$.45
6	100	4.55	.46
7	100	5.00	.52
8	100	5.40	.55
9	50	5.80	.60
10	50	6.50	.62
12	25	7.20	.75
14	12	9.35	.95
16	12	16.50	1.70
18	12	19.20	2.00



**Fibre Ware Rolling Stands.**

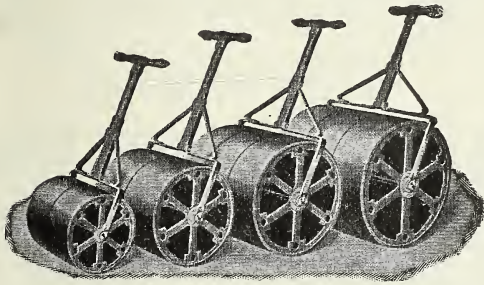
Outside Diameter	Will take Pot of Diameter at bottom	Each
12 inch	10 inches	\$1.25
14 inches	11 inches	1.50
16 inches	13 inches	2.25
18 inches	15 inches	2.65
20 inches	17 inches	3.00
22 inches	20 inches	3.35



### Keystone Lawn Rollers.

Steel bearing, beveled edges, strong handle and well finished in every particular. Complete catalogue on application.

No.	Lbs. Weight.	Width.	Price.
504	250	20 in.	\$15.50
507	300	24 in.	18.50
509	400	20 in.	24.50
510	450	24 in.	27.50
513	500	24 in.	30.50



### Dunham Water Ballast Lawn Rollers.

HW4—18 x 24-in., with handle weights....	\$16.50
HW6—24 x 24-in. with handle weights....	20.50
WB5—18 x 24-in., with no tip handle lock..	15.00
WB7—24 x 24-in., with no tip handle lock..	19.50

### Grass Catchers.

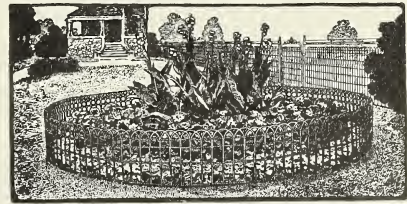
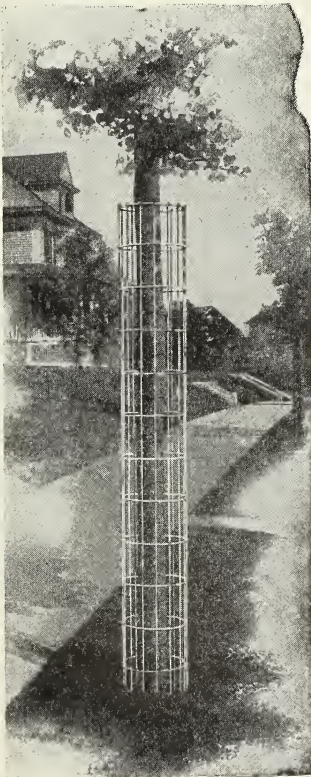
Adjustable to any mower, "Easy Dump," \$1.85.

Grass Catchers, Braun, 17-inch, \$2.25.

Grass Catchers, Braun, 19-inch, \$2.25.

### E. W. Tree Guard.

Electrical-ly welded, heavy steel wires and galvanized after welding. Spaces are close enough to prevent horses from injuring the tree, yet they are not cumbersome and leave no space to harbor insects. Price, each, \$1.50.



### Flower Bed and Lawn Guard.

Constructed of heavy galvanized steel wire. "Cyclone" is crinkled and galvanized before weaving. "Wright" is smooth wire and galvanized after weaving. Prices are per linear foot.

"Cyclone."	12 inch .....	10c.
	18 inch .....	11c.
	24 inch .....	13c.
"Wright."	16 inch .....	10c.
	22 inch .....	12c.

### Trellis or Arch Wire.

"Cyclone."	18 inch .....	8c.
	24 inch .....	10c.
	30 inch .....	12c.
"Cyclone" L. Extra Fence, 40 inch .....		17c.



### For the Birds.

Canary and Rape. Per pt., 15c.; per qt., 30c.

Best Sicily Canary Seed. Per pt., 15c.; per qt., 30c.

Best Mixed Canary Bird Seeds. Price per pt., 15c.; per qt., 30c.

German Rape. Price per pt., 15c.; per qt., 30c.

Mixed Parrot. Price per pt., 15c.; per qt., 25c.

Millet, American. Per qt., 15c.

Hemp Seed. Price per qt., 15c.

Sunflower Seed. Price per qt., 15c.

Maw Seed. Price per lb., 60c.

Padda or Unhulled Rice. Price per qt., 20c.

Peter's Treat. Per roll, 10c.; doz. rolls, \$1.00.

Bird Gravel. Price per qt. box, 10c.

Cuttle Fish. Price, each, 3c.; 2 for 5c.; lb., 70c.

### Roto Salt Cakes

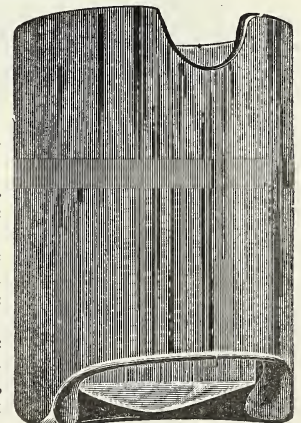
Made from the finest table salt and guaranteed free from impurities of any kind. Horses and cattle are intelligent animals; they know when they require salt and how much. Put the salt where they can get at it, but salt should never be mixed with the feed or thrown into the manger. There is an obvious disadvantage to this, as the animals have to take salt, whether they want it or not. The governing instinct of nature may better regulate quantity.

THE ROTO FEEDER is made of stone ware, exceedingly strong and simple.

Roto Salt Cakes, 20c. each; \$2.00 per doz.

Roto Feeder, 25c. each; \$2.50 per doz.

Square Salt Cakes, 20c. each; \$2.00 per doz.





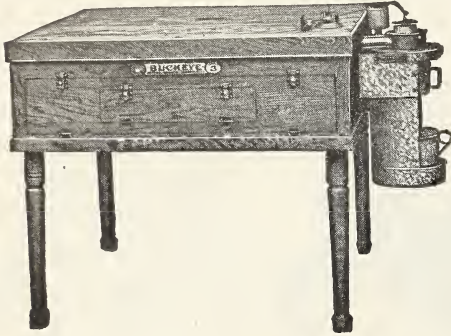
# POULTRY SUPPLY DEPARTMENT

The following is a list of the most useful articles for the practical and successful poultry keeper. Look through this list. No matter how few chickens you keep, you will find labor and time-saving appliances. Parcel Post can be figured by weight given.

Nineteen-Twenty-One makes the twelfth year we have sold the Buckeye and Newtown products, and as the seasons go by our belief is strengthened that these are the two best lines manufactured.

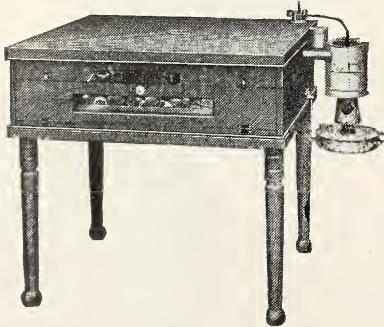
**BABY CHICKS.** We have contracted for several thousand baby chicks for the coming season, and will have weekly shipments, beginning March 13th, of such well-known strains as Thompson's Ringlets, Barron Leghorns and dark Utility Rhode Island Reds. A twenty-five per cent early deposit will insure your getting the variety at date desired.

## Buckeye "Standard" Incubators.



No. 1.	110 eggs	\$43.50
No. 2.	175 eggs	51.50
No. 3.	250 eggs	65.00
No. 4.	350 eggs	77.50
No. 5.	600 eggs, mammoth	120.00

## Buckeye—E and H Styles.

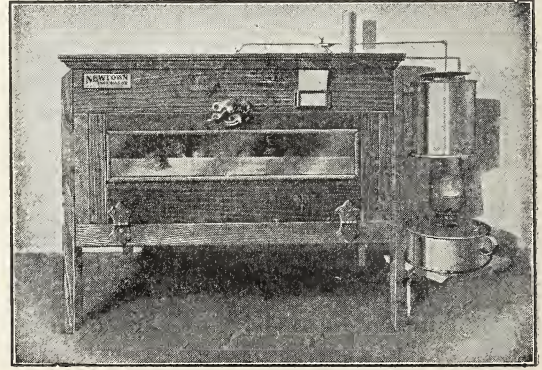


No. 14 (Style E).	65 eggs	\$18.50
No. 16 (Style E).	110 eggs	31.00
No. 17 (Style E).	210 eggs	42.25

The Buckeye E Style Incubator differs from the Standard in that they are single-walled machines and do not have the lamp bracket.

Strange as it may seem, they will hatch just as many and as large chicks as the Standard down to 32 degrees Fahrenheit.

## Newtown Incubators.



### The 60-Egg Newtown

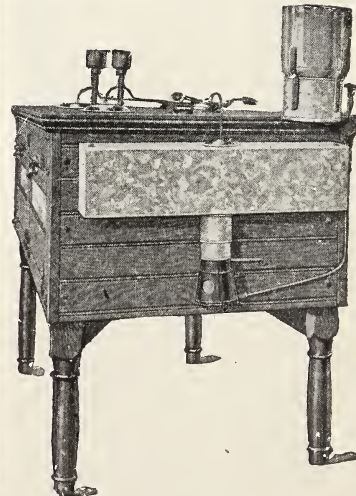
is durably constructed of selected materials with double top and side walls. Its heating system is composed of a coil of  $\frac{3}{4}$ -inch wrought iron pipes with heavy copper hot water boiler. The lamp is fitted with the best quality Sun Hinge Burner of the most improved type. This small machine is equipped with Automatic Eggs Turner, Double Automatic Temperature Regulator, Nursery Tray, Moisture Pan and Thermometer.

#### PRICES.

60-egg Incubator	\$16.00
150-egg Incubator	36.75
300-egg Incubator	63.50

### The Two-Compartment 300-Egg Newtown

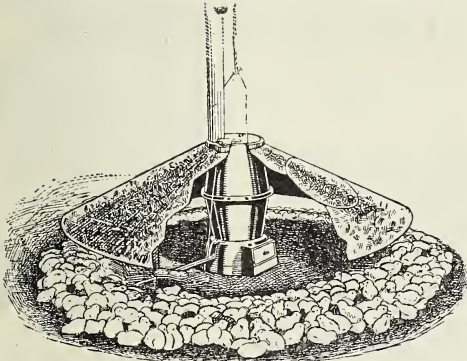
is the only machine of its capacity with two individual compartments. Each compartment holds 150 eggs, each has its own nursery tray, Automatic Eggs Turner, Automatic Temperature, Ventilation and Moisture Regulator, in addition to the heat regulator at the oil heater.



*A complete descriptive catalogue or circular of any of these poultry supplies free upon request.*



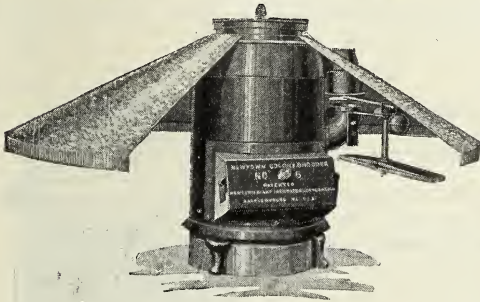
**Buckeye Standard Colony Brooder.**



A remarkably efficient coal-burning brooder. A brooder that provides a constant, correct temperature, and a constant supply of pure, fresh air.

- |         |                           |    |         |
|---------|---------------------------|----|---------|
| No. 18. | 500 newly hatched chicks  | .. | \$25.50 |
| No. 19. | 1000 newly hatched chicks | .. | 31.50   |

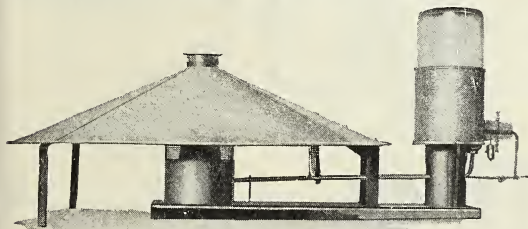
**Newtown Colony Brooder.**



The Newtown Coal-burning Colony Brooder needs no introduction to poultrymen. It was the first coal-burning self-feeding, self-regulating Colony Brooder put upon the market—has been longer in use than any other of its type.

- |        |                          |    |         |
|--------|--------------------------|----|---------|
| No. 6. | 500 newly hatched chicks | .. | \$23.60 |
| No. 7. | 700 newly hatched chicks | .. | 28.90   |

**Newtown Blue Flame Brooder.**



Broods like a coal burner. Wickless burner; burns coal oil (kerosene) with a steady blue flame. There is no smoke, no odor, and it is absolutely noiseless in operation. Made in two sizes; diameter of deflectors, 36 and 52 inches.

- |          |                          |    |         |
|----------|--------------------------|----|---------|
| No. 118. | 250 newly hatched chicks | .. | \$20.85 |
| No. 125. | 500 newly hatched chicks | .. | 29.20   |

**Buckeye Blue Flame Brooder.**

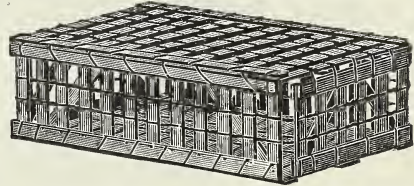
- |         |                           |          |
|---------|---------------------------|----------|
| No. 10. | 200 newly hatched chicks, | \$19.75. |
|---------|---------------------------|----------|

**Buckeye Portable Brooder.**

A machine made for the poultry raiser who desires a few table fowl.

- |         |                     |    |         |
|---------|---------------------|----|---------|
| No. 20. | Capacity 60 chicks  | .. | \$13.50 |
| No. 21. | Capacity 100 chicks | .. | 17.00   |

**Perfection Shipping Coop.**



The cheapest, strongest and most durable coop in use to-day. Poultry will not smother in this coop. Weighing only 20 pounds, there is a saving in express charges of fifty to seventy-five per cent. Price, \$2.20.

**Incubator and Brooder Supplies.**

Incubator Lamp Bowls, \$1.00 each.

Zero Brooder Lamps, \$1.50 complete.

Burners, No. 2, sun hinge, 1-in. wick, \$50c.

Burners, No. 32, sun hinge, 1-in. wick, 75c.

Burners, No. 30, sun hinge, 1½-in. wick, 75c.

Burners, Skirt, No. 2B, for Zero Lamp, 1-in. wick, 50c.

Burners, Bunsen Gas, for incubators or brooders (1 lb.), \$1.25.

Burners, Buckeye, Gas, with chimney, for incubators or brooders, \$2.00 (2 lbs.)

Lamp Wicks, ½-in. for fount heaters, 3 for 5c.

Lamp Wicks, 1-in., 2 for 5c.

Lamp Wicks, 1½-in., 2 for 5c.

Thermometers, No. 5774, "Tycos", Incubator, hanging, \$1.00.

Thermometers, No. 5770, "Tycos", Incubator, standing, \$1.00.

Thermometers, No. 3162, Buckeye Incubator, \$1.00.

Thermometers, Hanging Incubator, with electric light, \$2.25.

Thermometers, International Hover, 60c.

Thermometers, Buckeye Brooder, No. 20, \$1.25.

Thermometers, Brooder, Security, \$1.25.

Hygrometer, to show moisture in incubator, \$2.00.

X-Ray Egg Tester, to use on lamp, 50c. (½-lb.)

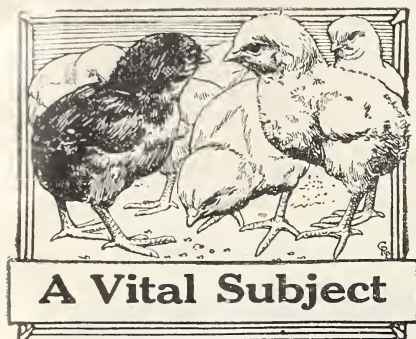
Buckeye Egg Tester, 50c.

Waterproof Sheeting, one yard wide, 25c. yd.



ZERO LAMP.





## PLATT'S POULTRY FEEDS.

There is to-day no subject of more vital importance to poultry-keepers than how to get the maximum number of eggs from their flocks, and how to raise baby chicks properly.

### Platco Dry Mash and Scratch Feed.

Platco Laying and Growing Mash is a mixture compounded from the formula recommended by the largest Poultry Experiment Station in the world. Several years ago we tested a flock of pullets with this mixture for one year, and the results were such that we immediately started manufacturing it. The past two years it has given marvelous results as a Growing Food, owing to its high protein content.

The impression that a high-grade laying mash is unsuitable for growing chicks is unfounded, and especially so where Platco brand is considered. Taking into consideration the fact that protein is the costly element of all foods, and the one element required in large quantities to make muscle, bone and feathers, why buy growing foods other than ours unless you are sure it contains as much protein, 19 to 21 per cent.

Platco Scratch Feed is composed of the highest quality of clean, sound grains, mixed from formulas to balance our mash.



#### Platt's Pigeon Feed.

Puritan Chick Feed

Pratt's Buttermilk Starting Chick Food.

Kaffir Corn.

Alfalfa, Mealed.

Beet Pulp.

Conkey's Buttermilk Starting Food.

Bran, Wheat.

Clover, Short Cut.

Clover, Short Cut.

Bone, Granulated and Mealed.

Corn, Whole.

Corn Meal.

Oats.

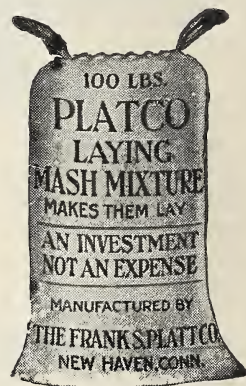
Wheat, Red.

Buckwheat.

Beef Scrap.

Fish Scrap.

Bone Flour.



#### Grit.

A hard limestone in sizes No. 1 for turkeys, No. 2 for fowl, No. 3 for pigeons, No. 3½ for chicks.

Price: 10 lbs., 20c.; 100 lbs., \$1.10.



#### Charcoal.

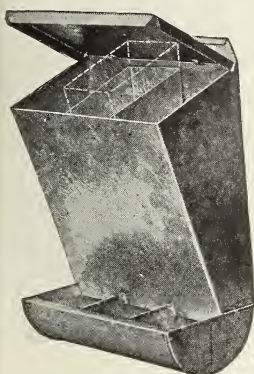
Fine, Medium or Coarse, 2 lbs., 15c.; 5 lbs., 30c. Also 50-lb. bags.

#### Oyster Shells.

Comes in poultry and pigeon size: 100 lbs., \$1.75; 10 lbs., 25c.

OWING TO MARKET FLUCTUATIONS PRICES OF FEEDS ARE SUBJECT TO CHANGE.





### Favorite Dry Mash Hopper.

Has an adjustable grid for fine or coarse mash. The flange on each side and wires extending to grid prevent birds throwing feed sideways out of the hopper. Price, 12-in., \$2.35; 24-in., \$3.40.



### Sexton Dry Mash Hopper.

Will save its cost in feed in one winter. This is a most economical hopper for feeding dry mash and keeping it sweet and clean. Price: No. 1, \$2.10 each. No. 5, extra large, \$3.60 each.



### Overall Feeders.

Stoneware, sanitary, economical and inexpensive. Four-qt. size, 65c.; 6-qt. size, 75c.



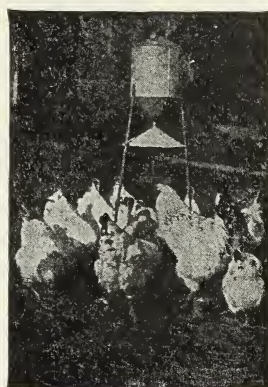
### The Junior Chick Feeder.



Feeds dry mash, hard grains, sour milk or water. Chicks cannot foul it. Price, 40c. each.

### The Norwich Automatic Exerciser and Feeder

Has established itself as the standard method of feeding poultry. By its use waste is completely eliminated. Every grain of feed goes to the flock, saving approximately 25 per cent, while the labor is reduced to filling the hopper.

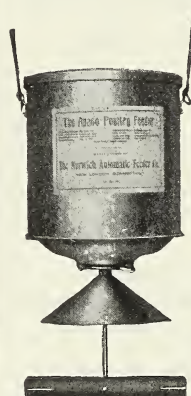


No. 1. Capacity 8 quarts, 13 lbs., \$5.00 each.

No. 2. Capacity 15 quarts, 15 lbs., \$5.50 each.

No. 3. Capacity 20 quarts, 20 lbs., \$6.50 each.

No. 4. Capacity 32 quarts, 27 lbs., \$7.50 each.

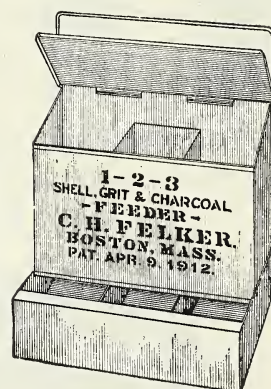


### The Apaco Poultry Feeder.

A dependable and practical machine, with the same adjusting valve for regulating the discharge that is on the Norwich Feeders. (5 lbs.) Price, \$2.00 each. May be sent by parcel post. Add postage.

### 1-2-3 Feeders.

Made in two sizes. Each has a movable partition, enabling you to give different dry feeds at a time. Prices, \$1.00 and \$1.75 each.



### Atsatt's Chick Feeder.



Are just the things to keep feed clean in a brooder. Price 35c. each.



**Seamless Galvanized Cups.**

Used for feed and water in exhibition coops. Price, medium size, 25c. each; large size, for pens, 30c. each.

**Norwich Automatic Air-Lock Fountain.**

The improvements made on this fountain for safety are endorsed by the Fire Underwriters' Laboratories. Used with a No. 3 Automatic Feeder, a flock of 20 fowls need no further attention for a week. Weight 17 pounds.

Prices: Large size complete, 5 gallon, \$8.00; without burner base, \$4.00.

**Peerless Founts.**

Brooder size, 40c. each; 5-quart, \$1.00; 10-quart, \$1.30 each.

Heaters for 5-quart and 10-quart, \$2.00.

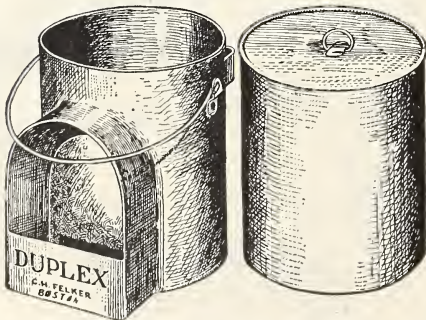


SANITARY TWO-PIECE.

**Sanitary Stoneware Founts.**

Thoroughly glazed inside and outside. Being made in two parts, they can be easily cleaned. Will never rust, but will keep water pure, clean and cool.

Prices: 1-quart, 60c.; 2-quart, 70c.; 4-quart, 85c.; 8-quart, \$1.25.

**Duplex Fount.**

Made in two parts. Quickly cleaned. Price, 1-gal. size, \$1.25; 2-gal. size, \$1.50.

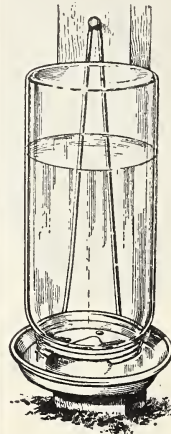
**Wall Founts.**

One of the most popular styles of drinking founts, convenient, sanitary and made from heavy galvanized iron. Price: 4-quart, 90c.; 8-quart, \$1.10.

**Improved Klean Drink Founts.**

Brooder size, without jars, 25c.; with 1-quart jars, 35c.

Large size, without jars, 35c.; with 2-quart jar, 45c. each.

**The Everett Fountain.**

A fount that is easily cleaned. Made of heavy galvanized iron. Price, \$1.25 each.

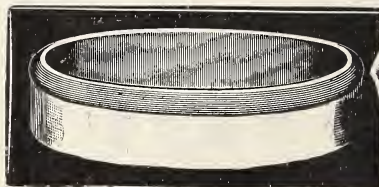


EVERETT.

**Carter's Green Food Feeder.**

Here is a feeder for green vegetables that keeps them clean, sanitary and high enough off the floor so that fowls get exercise while they eat. Made of strong, soft fish-net twine.

Price, 35c. each, postpaid; three for \$1.00.

**Pigeon Baths.**

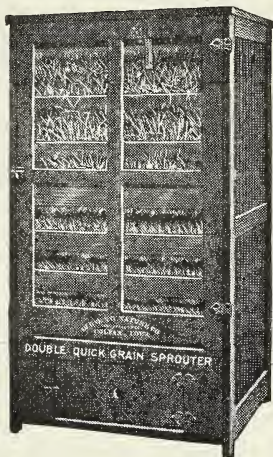
Twelve inches diameter by three inches deep. Made of glazed stoneware, it is easy to clean. 12-in. 35c. ea. 16-in., 70c. ea.



### Double Quick Grain Sprouter.

Has wooden case, lined with galvanized iron and lamp at bottom. Sprouts oats double quick in a cold room or cellar.

Price, No. 1, 37 hens, \$7.00.



### Economy Oat Sprouter.



Has five perforated pans, each 16 x 17 inches, and one drip pan at bottom.

Price, \$6.50. 35 x 18 x 18 inches.

### The Collins Sprouter.

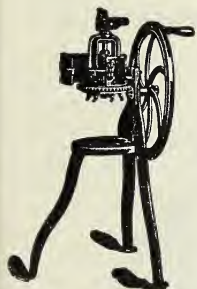
Two sizes. Four and seven perforated pans and one drip pan 11 x 15 inches. Prices: Five pans, \$3.50; eight pans, \$5.00.

### Banner Root Cutter No. 7.



A machine made expressly for poultrymen. It quickly cuts the vegetables into long, round, ribbon-like slices that resemble a bunch of angle worms, which fowls readily eat up to the last morsel. This machine will pay for itself in a short time. Price, \$6.00, F. O. B. New Haven.

### Mann Green Bone Cutter.



MANN NO. 7.

No. 7 is the size we recommend for the average poultryman. It is large enough to supply 25 to 100 birds. Price, \$24.00.

**Bench Bone Cutter.** No. 5B, with heavy balance wheel, \$16.00.

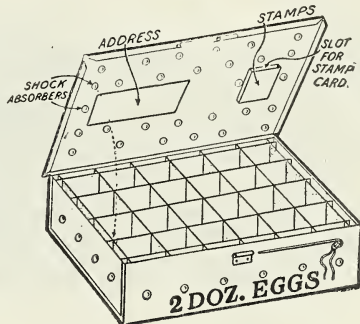
No. 7½ is like No. 7, except has power equipment as well as hand. Price, complete, \$32.00.

### Parcel Post Egg Boxes

The maximum of lightness and great strength combined. Made of corrugated fibre boxboard.

	Price each.	Price per 10.	Price per 100.	Weight per doz.
1 doz. ....	\$0.18	\$1.55	\$14.45	8 lbs.
2 doz. ....	.26	2.26	21.08	10 lbs.
3 doz. ....	.34	2.96	27.63	14 lbs.
4 doz. ....	.43	3.70	34.51	18 lbs.
5 doz. ....	.53	4.64	43.35	21 lbs.

### Metal Egg Crates.



Solve the problem of shipping eggs by parcel post. These have shock absorbers to give a cushion for the eggs.

18-egg size, . . . .	\$0.85.	Postage empty 6c.
24-egg size . . . .	1.00.	Postage empty 7c.
36-egg size . . . .	1.25.	Postage empty 7c.
48-egg size . . . .	1.50.	Postage empty 7c.

Include postage charges if to come by mail.

**Berkshire Egg Boxes.** For delivery to family trade; hold 1 dozen each. Convenient and economical. Price, 25c. per doz.; \$1.50 per 100.

**Setting Egg Boxes.** Made of corrugated paper, light but strong, and safe for mailing or expressing. Prices, 15 eggs, 26c. each; \$2.71 per doz. (1 lb. each). 30 eggs, 31c. each; \$3.18 per dozen (2 lbs. each).

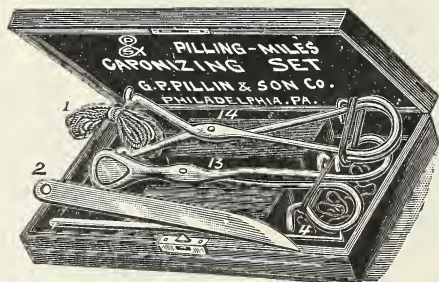
**Shipping Chick Boxes.** 25 chicks, 21c. each; 50 chicks, 32c. each; 100 chicks, 50c. each.

### Water Glass Egg Preserver.

One-qt. can will preserve 20 doz. eggs. Price, 35c. One-gal. can will preserve 80 doz. eggs. Price, 90c.

### Caponizing Sets.

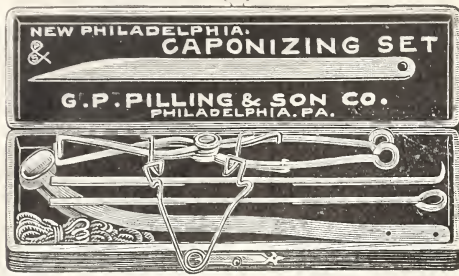
Poultry keepers can double their profits by caponizing their young roosters. The operation is very simple, full directions accompanying each



set. Caponizing changes the disposition of the fowl. He becomes lazy and puts on flesh astonishingly fast, often weighing 10 to 15 pounds. The



demand far exceeds the supply, even though the price of capon is double that of ordinary fowls.



Price: Philadelphia, \$3.50; in wooden case, \$4.00. Pilling-Miles, in velvet-lined case, \$8.50.

### French Poultry Killing Knife.



This is made of finely tempered steel, with nickled handle, and will last a life-time. Price, 65c. each.

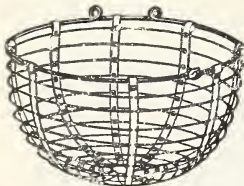
### Pilling's Angular Poultry Killer.

By simply a turn of the wrist the jugular vein is severed, bleeding the fowl and making dry picking easy. Price, 65c. each.

### Pilling Milking Tubes.

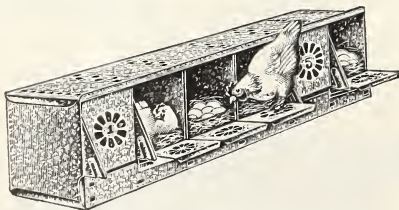
Plated.  $1\frac{1}{2}$  and  $4\frac{1}{4}$  inches long. Price, each, 35c.

### Wire Nests.



These nests are strongly made from heavy coppered wire and will last a life-time. They are intended to be fastened to the wall with screws or screw hooks. There is no room on them for the lodgment of lice or vermin of any kind; they are easy to keep clean and are far superior to wooden boxes. Price, 15c. each; \$1.50 per doz.

### Knudson Nests.



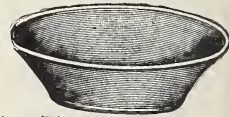
Made to hang on wall, galvanized iron, with swinging front doors. Complete three and six nests in section. These nests are easily cleaned and are lice-proof, there being no hiding places for vermin. Price per section of three, \$3.50; six-section, \$5.50.

### Knudson Trap Nests.

A simple, cheap trap nest that can be depended on. Made of galvanized iron, one and three nests to section. Price: one-nest section, \$2.50; three-nest section, \$6.30.

### Pigeon Nests.

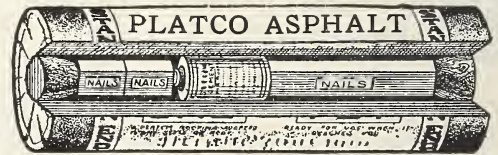
These nests are moulded from clay, and are heavy, so they cannot tip over. They make the best nests for pigeons.



Prices: Each, 15c.; per six, 75c.; per dozen, \$1.50. Larger size, 20c. each; per dozen, \$2.00.

### Platco Roofing.

Manufactured from long fibre wool felt, thoroughly saturated and coated with natural Asphaltum, this combination making one of the most reliable weather-proof and durable coverings on the market. Nails and cement come inside each roll without extra charge. A roll (or square) contains 108 square feet, and will lay 100 square feet.



1-ply, 2-ply, 3-ply (fire-proof). Prices on application.

**Saturated Felt.** \$1.00 per square.

**Five per cent Cash Discount on Ten Rolls Asphalt Roofing.**

### Poultry Netting.

One or two-inch mesh, one foot to six feet high. Prices are the lowest when quality is considered. Will last twenty-five years under ordinary exposure. Prices quoted on application.

### Double Clinch Bands.



No tools required to put on these bands. They fasten with two clinches. There are no exposed corners, ends or loops. They are the best open band on the market. They are numbered consecutively. Sold in packages of 12, 25, 50 or 100 bands each; size 2 for leghorns, size 3 for Rhode Island Reds, etc.; pigeon size same price. Prepaid, by mail or express. 12 for 20c.; 25 for 30c.; 50 for 50c.; 100 for 90c.; 250 for \$2.00; 500 for \$3.50.

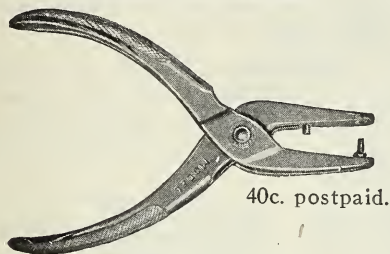
### Spirol Leg Bands.



On and off like a key-ring. Ten different colors, with which you can make three hundred and twenty combinations. Several sizes. Price per doz., 20c.; per 25, 30c.; per 50, 50c.; per 100, 90c.; per 500, \$3.50; per 1,000, \$6.50.



**Model Toe Marker.**



40c. postpaid.

**Petty Chick Punch.**



Is just right for the vest pocket. Nickel plated. Price, 25c. postpaid.



**China Nest Eggs.**

Price, 30c. per doz.

**Lice Expelling Nest Eggs.**

Price 5c. each; 50c. per doz.

**Lice Dusting Guns.**

Small, 10c.; large, 25c.

**Lowell Dusters.**

Holding 1 qt. powder, 75c.

**Galvanized Ash Cans.**

Excellent for keeping dog food and chicken feed away from rats and mice.

**Rat Corn.**

25c., 50c. and \$1.00 sizes. Postpaid.

**RAT CORN**



It mummifies the rodents, eliminating all nauseous odors.

**Australian Rat Destroyer.**

Price, 25c., 50c., \$1.00 per can, postpaid.

A safe, sane and sanitary solution of the rat pest.



**Pratt's Poultry Regulator.**

This half-century-old preparation is still unapproached for keeping poultry robust, and for producing the necessary poultry health which means lots of eggs. It regulates the bowels and digestive organs of all fowls and enriches the blood, this bringing about a condition of sound health which resists disease, prevents unnatural habits, such as egg-eating.

Price: 24-oz. package, 30c.; 4-lb. package, 60c.; 12-lb. pail, \$1.80; 25-lb. pail, \$3.10 each.

**Pratt's Animal Regulator.**

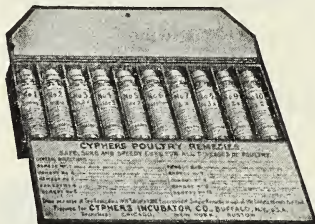
Prices: 3-lb. package, 60c.

**Dr. Hess Poultry Panacea.**

Aids digestion, makes poultry healthy, helps hens lay more eggs. Helps to fatten poultry for market rapidly and cheaply, and helps chicks reach maturity strong and healthy, cures poultry ailments, has been tested and tested for over nineteen years by farmers and poultrymen from coast to coast. Price: 1½-lb. pkg., 30c.; 5-lb. pkg., 75c.; 12-lb. pkg., \$1.50.

**Poultry Remedies in Vials.**

A remedy for every disease. Vials containing 100 tablets (homeopathic), 25c. each, mailed on receipt of price.



**Conkey's Remedies.**

Roup Cure, 30c., 60c., \$1.20. Cholera, 30c., 60c. Gape, 30c., 60c. White Diarrhoea, 30c., 60c. Bronchitis, 60c. Chicken Pox, 60c. Scaly Leg, 30c., 60c. Limber Neck, 60c. Poultry Tonic, 30c. Laxative, 30c. Rheumatism, 60c. Worm Remedy, 60c. Canker Special, 60c.

**Roto Salt Cakes for Pigeons.**

25c. per cake.





### Dr. Hess Roup Cure.

Four-ounce can, 25c.

### Lee's Germozone.

Roup, Canker, Swelled Head, Cold, Cholera, Bowel Complaint, etc., yield readily to treatment with Germozone. Especially valuable for little chicks. Put up in liquid form or tablets.

Price: 12-oz. bottle, 75c.; package tablets, 75c. Tablets by mail, same price.

### Smith's Roup Extractor.

Used in advanced cases of roup. Price 50c. bottle.



### Smith's Roup Cure.

Is guaranteed and costs only 30c. per box.

### Smith's Germicide.

Four-oz. bottle, 35c.; 12-oz. bottle, 65c.

### Pratt's White Diarrhoea Remedy.

Package, 30c. Guaranteed.

### Smith's Chicken Pox Remedy.

A positive cure, 30c.



**EGG-O-LATUM** is an egg preserver, and will keep eggs fresh for one year. A 50c. jar enough to put down 50 dozen eggs.

**EGG-O-HATCH** is a powder to be dissolved in water and applied to hatching eggs. This preparation is a wonderful aid in helping chicks out of the shell. 50c. size sufficient for 600 to 700 eggs.

### Dr. Hess Instant Louse Killer.

Lice simply cannot exist where this powder is properly used, either on poultry or live stock of all kinds. Price, 1-lb. pkg., 30c.



### Smith's Insecticide.

Smith's preparation for this purpose is a standard, reliable article, well known and used by poultrymen the country over. Smith's can be used as an insecticide for bugs on bushes or vines, vegetables, plants, etc. Setting hens, well dusted twice during incubation, will not leave their nests on account of lice. If your hens are near your stable, sprinkle the horse brush with "Insecticide" before using and your horse will be safe. Price: 5-oz. pkg., 15c.; 15-oz. pkg., 30c.; 38-oz. pkg., 60c.; 76-oz. pkg., \$1.20.

### Head Lice Ointment.

The only practical method of exterminating the head lice. Powders have no effect on this specie, the largest blood-sucking louse that infest poultry.

**Conkey's Lice Ointment.** 1-oz. tubes, 15c.; 3-oz. tubes, \$30c.

**Smith's Lice Ointment,** in screw-cap glass jars, 30c.



### Sulphur Candles.

An easy, effective way to fumigate rooms or poultry houses. Easy to light. Water pans furnished with each candle. Price: Each, 10c.; per doz., \$1.10.

### Sturtevant Lice Paint.

Very effective for lice and vermin, also a disinfectant. Price: one quart, 60c.; one gallon, \$1.50.

### Protexol.

(Avenarius Carbolineum).

Completely exterminates all lice and mites, also is best wood preserver. Rats or mice never gnaw wood painted with Protexol. Price: \$1.60 per gallon.

### Dr. Hess Dip and Disinfectant.

For scab, mange, lice on sheep, fleas and all parasites, skin diseases of horses, cattle sheep, hogs, dogs and poultry. Prices: 12 oz., 50c.; 1 quart, 75c.; 1 gallon, \$2.00.



# THE KENNEL FOOD SUPPLY Co.



## DOG FOODS

*"The Food Will Tell"*

**K. F. S. Bread**, with meat; large cakes. Price:  $2\frac{1}{4}$  lbs., 25c.  
**Austin's Puppy Cakes**. Cartons, 15c. each.

**Cero-Meato**. Price,  $2\frac{1}{4}$  lbs., 25c.  
**Canned Meat**. Can,  $2\frac{1}{2}$  lbs., 35c.  
**Cat Food**. Per package, 15c.



**Use It Instead of Whitewash.**

A snow-white mineral paint in powder form, ready to be put on with brush or sprayer as soon as mixed with cold water. Contains the world's most powerful germicide—twenty times stronger than pure carbolic acid. Harmless to man or beast, but will instantly destroy lice, mites, nits. Price: Trial package, 30c.; 10 lbs. (makes 10 gallons), \$1.25; 20 lbs. (makes 20 gallons), \$2.50; 50 lbs. (makes 50 gallons), \$5.00.

### Columbia Fly Killer.

Don't let your cows and horses suffer all summer long. Fly Killer will keep them away and make milking far more pleasant. Price: one gallon, \$1.50.

### Lime for Whitewashing.

Best quality, with directions on how to apply. Price, 15c. can.

### National Standard.

**Squab Book**, \$1.20, postpaid.  
**Squabs for Profit**, 95c., postpaid.

### American Standard of Perfection.

\$2.50 copy. Postpaid.

### Rabbit Culture and Standard.

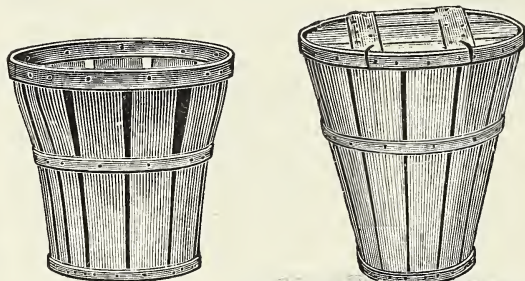
\$1.00. Postpaid.

### Bennett's Record and Expense Book.

Good for one year. 35c. postpaid.

### Baskets.

Special prices in lots of 1,000 on Peach, Strawberry and Pansy Baskets. As these are subject to market fluctuations, write for quotations.



**Hamper**, No. 20, 1 and 2-hoop, 23c. each; \$22.00 per 100.

**Strawberry Baskets**, 15c. doz.; 85c. per 100.

**Peach Baskets**, \$2.00 per 25; \$7.50 per 100.

**Pansy Baskets**, 25c. per doz.; \$1.60 per 100.

**Diamond Market Baskets**, 12c.

### Reliable Poultry Publishing Company's Books.

**Plymouth Rocks**. Price, \$1.00.

**Orpingtons**. Price, 75c.

**Wyandottes**. Price, \$1.00.

**Rhode Island Reds**. Price, 75c.

**The Leghorns**. Price, \$1.00.

**Artificial Lighting**. Price, \$1.50.

**Poultry House Construction**. Price, \$1.00.

**Profitable Culling**. Price, \$1.50.

**Successful Poultry Keeping**. Price, \$1.00.

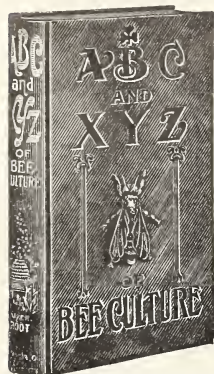
**How to Feed Poultry for Any Purpose**. Price, \$1.25.



## Beekkeepers' Supplies.

### A COMPLETE CATALOGUE ON APPLICATION.

The margin on which these are now handled is so small—less than at any time we have represented the A. I. Root Co.—we have seriously considered dropping this line. The consequent inconvenience to our many patrons would be such that we believe our customers will be perfectly willing to pay freight charges, approximately 5 per cent, now paid by us, especially as these charges would have to be paid by them if ordering direct. The advantage of being able to get these when wanted is a consideration not to be overlooked. Consequently, we shall add the above amount to Root's listed prices on orders delivered from New Haven.

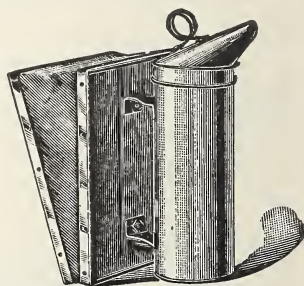


#### How to Start Out.

A very simple and inexpensive outfit is needed by the beginner in bee-keeping. Two or three hives—a colony or two of Italian bees—a comparatively new and more gentle strain than common American bees—two or three good books on bee culture, a veil, a smoker, lots of perseverance and a little practical and thoroughly understood knowledge gained, if possible, from watching others—then begin.

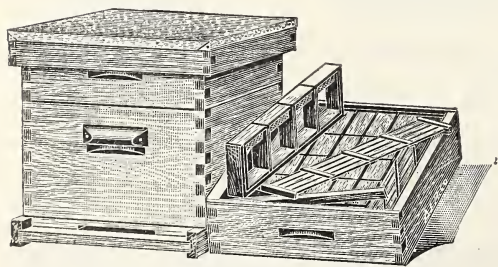
#### A. B. C. of Bee Culture.

Cloth bound, \$3.00.



#### Root Smokers.

Jumbo, 4-inch, \$1.75; postage by P. P., 2 lbs., Standard, 3¼-inch, \$1.40; postage by P. P., 2 lbs. Junior, 2½-inch, \$1.20; postage by P. P., 1½ lbs.



This is a cut of a modern bee hive with one super on and another alongside showing sections ready for bees to fill with honey.

This hive is the one most universally used by the largest honey-producers, as it is light and can be readily moved from one location to another. It is a strictly high-grade hive, being made of best selected lumber, perfectly milled and fitted together. It is complete in every detail, and very easily put together. Full directions furnished with each hive.

While this hive is made either in eight-frame or ten-frame size, we recommend the ten-frame. It consists of a bottom-board, double telescoping cover with metal cap and body or brood-chamber, with Hoffman frames. Nails and tin rabbets are included with all hives. Hand-hole cleats omitted unless ordered.

Wax foundation can be supplied in 1-lb. packages and larger.

#### Alexander Veils.

Price, \$1.60.

#### Bee Gloves.

Of heavy drilling. Price, \$1.25.

#### Wax Foundation.

#### Section Boxes, etc.





# SPRAY CALENDAR

By permission of the Connecticut Agricultural Experiment Station at New Haven, we have reprinted here from their Bulletin 199 such information as is most frequently needed, and hope that it will be a handy reference. The damage done by insects in the United States to crops is enormous, and can be reduced considerably by proper spraying. When more detailed information is needed we suggest you write your experiment station. We will always be glad to give you the benefit of our experience.

## FORMULAS FOR INSECTICIDES.

**Lead Arsenate**—Three lbs. (Paste) or  $1\frac{1}{2}$  lbs. (Dry) Lead Arsenate, 50 gals. water. Spray upon foliage to kill all chewing insects. May be used with Bordeaux or with lime-sulphur mixture.

**Poisoned Bran Mash**—Five lbs. wheat bran, 4 oz. white arsenic or Paris green, 1 pt. molasses, 1 lemon, 7 pts. water. Scatter around in field to kill cut-worms, army worms and grasshoppers.

**Commercial Lime-Sulphur**—Winter spray, 1 part lime-sulphur, 9 parts water. Summer spray,  $1\frac{1}{4}$  to  $1\frac{1}{2}$  parts lime-sulphur, 45 to 50 parts water. Use winter spray for San José scale and peach leaf curl; summer spray for fungi, to which, as needed, add lead arsenate to kill chewing insects.

**Nicotine Solution**—One-half pt. in 50 gals. water. Several solutions are now sold containing 40% or more of nicotine. Excellent for killing aphids and other sucking insects. Add soap or a spreader when used alone, but not when used with lead arsenate or Bordeaux.

**Self-Boiled Lime-Sulphur**—Eight lbs. fresh whitewash lime, 8 lbs. fine sulphur, 45 to 50 gals. water. Start the lime slacking, sift and thoroughly stir in the sulphur, using just enough water to prevent burning and allow to boil from heat of lime for fifteen minutes. Then dilute and apply.

**Formalin, A.**—One pt (1 lb.) Formalin in 50 gals. water for sprinkling grain to kill smut. **B.**—One pt. Formalin in 30 gals. water, for soaking tubers to prevent potato scab.

## INSECT AND FUNGUS PESTS OF CULTIVATED PLANTS.

**Apple.** Bud-moths, Case Bearers, Leaf Crumpler. Small-over-wintering caterpillars feed upon the unfolding leaves. Spray with lead arsenate as soon as leaf buds begin to open. Repeat a few days later if necessary.



Canker Worm.

**Canker Worms.** During May small looping caterpillars devour the leaves and spin down on threads when disturbed. Spray foliage with lead arsenate before blossoms open and again soon after they fall. In unsprayed orchards sticky tanglefoot bands should be placed around trunks of trees in October, and kept sticky until January 1st, and again kept sticky during April and May.

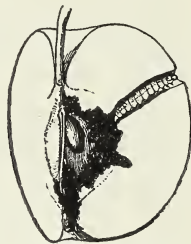


Tent Caterpillar.

**Tent Caterpillar.** During May the caterpillars form nests at the forks of branches, and devour the leaves. Clip off and burn egg masses on twigs in winter. Remove nests with caterpillar brush. Spray with lead arsenate once before the blossoms open and again soon after they fall.

**Lesser Apple Worm.** Larva feeds on exterior of nearly mature fruit and often causes injury in storage. Spray as for Codling Moth.

**Codling Moth or Apple Worm.** Pink caterpillar tunnels inside the fruit, especially around the core. Spray with lead arsenate as soon as blossoms fall. Repeat three or four weeks later. Keep foliage and fruit covered until fruit is nearly grown.



Codling Moth or Apple Worm.

**Curculio.** Grubs of both apple and plum curculios infest the fruit, making it gnarled and ill-shaped. Spray twice after blossoms fall, as for Codling Moth, and remove infested fruit in thinning.

**Green Fruit Worms, Palmer Worm, Leaf Roller.** Caterpillars all feed upon foliage and immature fruit. Spray with lead arsenate as for Codling Moth.

**Tussock Moths.** Tufted caterpillars of several species feed upon the leaves in mid-summer. Spray with lead arsenate, as for Codling Moth.

**Maggot or Railroad Worm.** Maggots tunnel through the pulp of the ripening fruit of sweet and sub-acid varieties, especially those ripening early in the season. Destroy all infested fruit.



Aphids on Leaf.

**Leaf Hopper.** Whitish insects sucking sap from underside the leaves. Spray with nicotine solution, as for Aphids.

**Green and Rosy Aphids.** Green aphids, suck sap from the leaves and ter-



minial shoots, causing leaves to curl and checking growth. Rosy aphids infest fruit clusters, checking development. Spray with nicotine solution ( $\frac{1}{2}$ -pint in 50 gallons water) either separately or in combination with lead arsenate, lime-sulphur or Bordeaux mixture.

**San Jose Scale.** See Peach. Spray dormant trees with lime-sulphur or miscible oil.

**Oyster-Shell Scale, Scurfy Scale.** Scale insects with elongated or pear-shaped shells, on bark, suck sap from the twigs; the former about the same color as the bark, the latter light gray or whitish. Spray with nicotine solution, soap and water, or kerosene emulsion about the second week in June.

**Scab.** Produces "scabby spots" on fruit and leaves; rarely on twigs. Spray the unfolding leaves before the blossoms open, again after the petals fall and follow with a third spraying about four weeks later. For first treatment use strong Bordeaux, for second and third weak Bordeaux or lime-sulphur.

**Sooty Blotch.** Forms on fruit an olive-black superficial growth in distinct round colonies or often merging together. Spray with Bordeaux as for Scab, or with lime-sulphur,  $1\frac{1}{2}$  to 50.

### GENERAL TREATMENT FOR APPLE ORCHARDS.

For general control of fungi and insects on apples in Connecticut we make the following recommendations:

(1) Winter treatment (spraying dormant trees) is necessary only in the case of the presence of the San José scale, or leaf blister mite, when commercial lime-sulphur, 1-9, or miscible oils, 1-15, may be used.

(2) As a rule three summer treatments with a fungicide are necessary to control the fungus diseases, and the last two of these should contain an insecticide. These sprayings should be made as follows: First, just before the blossoms open, on the young unfolding leaves (April 27th to May 10th, according to the season and variety); second, as soon as all the blossoms have fallen (May 10th to 30th); third, about one month later (usually June 10th to 25th).

(3) Where fungi are not prevalent, especially scab, the first summer treatment may be omitted. Occasionally, perhaps in alternative years, where fungi are quite inconspicuous, the fungicide may be entirely omitted, and only the two sprayings with lead arsenate for insects given.

(4) For fungicides we recommend Bordeaux mixture of the 4-4-50 strength for the first spraying and of the 1-4-50 for the second and third sprayings, or commercial lime-sulphur, used at a strength of  $1\frac{1}{4}$  to  $1\frac{1}{2}$  gallons per fifty gallons of water, for all three sprayings. The former has better fungicidal value, and the latter is less likely to produce spray injury, especially russetting of the fruit. Where fungi are prevalent the former might be used, while with varieties russetting badly, as Baldwin, the latter is likely to prove more satisfactory; or use strong Bordeaux for first spraying and lime-sulphur for second and third.

(5) For the insecticide in the above use lead arsenate; if in the paste form at the rate of three pounds per fifty gallons of the mixture, or if in the powder form, one and one-half pounds per fifty gallons.

(6) If canker worms, tent-caterpillars, bud moth or brown-tail moth are causing damage, add

lead arsenate to the first summer treatment, and if aphids are present nicotine solution should also be included. Nicotine solution may be added to any of the subsequent treatments to destroy aphids, red bugs, tarnished plant bugs, etc.

### BEAN.

**Green Clover Worm.** Occasionally green, wriggling caterpillars riddle the leaves in June and July. Dust string beans with air-slacked lime or other fine powder. Spray shell beans with lead arsenate.

**Weevils.** Adults lay eggs in the pods in the field and continue to breed in the dried seed, finally rendering it unfit for food or for planting. Fumigate the seed with carbon disulphide, or heat in oven for one hour, between 120° and 150° F.

### CABBAGE—CAULIFLOWER.

**Cabbage Worm.** Green worms feed upon leaves all through season. Spray unheaded plants with lead arsenate. Use insect powder or hellebore on headed plants.



Cabbage Worm.

**Cabbage Lopper.** Smooth looping caterpillars feed with cabbage worms late in summer, and require same treatment.

**Cabbage Maggot.** Infest stems of early-set plants near surface of ground, checking growth and often killing them. Practice crop rotation. Place hexagonal tarred paper discs around stems at setting time. Treat with carbolic acid emulsion.

**Club Root.** Causes knob-like enlargements on the roots of cabbage and allied plants. The germ often becomes established in the soil; when possible avoid such land and the use of refuse from old plants on the soil. Be especially careful that the seed bed is not infested. Infected land, if used, should be treated in the fall with lime broadcast at the rate of 80 bushels per acre, and worked in.

### CELERY.

**Celery Caterpillar.** Feeds upon the leaves of celery, parsley, fennel, carrot and parsnip. On the latter two plants, lead arsenate may be used. On celery and parsley hand picking is perhaps the best remedy.

**Leaf Blight and Leaf Spot** are two diseases showing "rusty" spots on leaves and petioles; the latter trouble distinguished by the very minute black dots in the discolored spots, often progressing in stalks after storage. Spray the plants thoroughly in the seed bed with Bordeaux, as infected plants are often the means of introducing the trouble in the field. If necessary continue the spraying after transplanting at intervals of about two weeks, up to the middle of September. Before covering for bleaching, if leaf spot is abundant, dust with sulphur, and before final storage remove infected leaves and dust again.

### CHERRY.

**Cherry or Pear Slug.** Larvae eat away the green tissue from upper side of leaf. Spray with lead arsenate or with hellebore.



**CORN.**

**Corn Ear Worm.** Eats the immature kernels at the end of the ear. Dust with equal parts sulphur and powdered lead arsenate.

**CUCUMBERS.**

**Striped Cucumber Beetle.** Attacks young plants, eating the leaves. Larvae infest the main root or stem under ground, often killing the plant. Dust leaves with dry lead arsenate. Cover plants with screens.

**CURRENT.**

**Current Worm.** Devours foliage in May. Spray with hellebore or lead arsenate soon as leaves unfold.

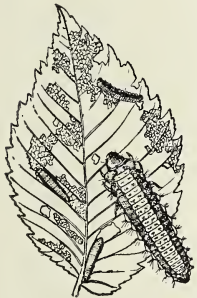
**Current Borers.** The larvae of two species of insects tunnel in the pith of the stems, causing the leaves to droop and wilt. Destroy infested canes during May.

**Current Aphids.** Yellowish-green aphids on under side of leaves, causing them to curl. Under-spray with nicotine solution or kerosene emulsion.

**San Jose Scale.** See Peach.

**ELM.**

**Spiny Elm Caterpillar.** Clusters of black spiny caterpillars often strip certain branches of elm, willow and poplar. Remove and destroy entire cluster, or spray with lead arsenate.



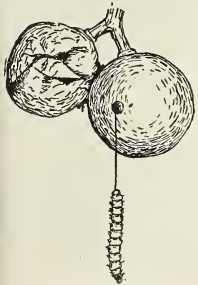
Larvae of Elm Leaf Beetle.

**Elm Leaf Beetle.** Adult beetles eat holes through the leaves in May, and in June and July the larvae or grubs eat away the green tissues from the under surface. Spray with lead arsenate early in May to kill egg-laying beetles, or spray under surface of leaves with same mixture about June 1st, to kill the larvae. Yellow pupae at base of trees may be killed with kerosene emulsion or soap and water.

**Canker Worms.** See Apple.

**GRAPE.**

**Grape Plume Moth.** Small, green, shiny caterpillars web together the newly-formed leaves at the tips of new shoots. Damage more apparent than real. Crushing by pinching these leaves is the best remedy.



Grape Berry Moth.

**Grape Berry Moth.** Larvae feeds and develops inside the berries, and this is the cause of most wormy grapes. Spray with lead arsenate soon after fruit sets, and repeat twice at intervals of about ten days. Bag the clusters soon after the fruit sets.

**Sphinx and Other Caterpillars.** Several species of horn worms, as well as other kinds of caterpillars, feed upon the leaves. Spray with lead arsenate or practice hand picking.

**Grape Leaf-Hopper.** Small yellow and red marked leaf-hoppers sucking sap from under side of leaves. Spray under surface with nicotine solution.

**Black Rot.** Causes reddish-brown spots on leaves; more rarely on stems; especially bad in rotting the berries, which finally become hard, shrunk and wrinkled black mummies. This is one of the worst diseases of the grape, and often difficult to control by spraying, which must be thorough, especially the first season. Begin spraying before blossoming time, about the last of May, with second application just after blossoming and subsequent sprayings at intervals of about ten to fourteen days. Use Bordeaux up to the last of July, and then change to the soda Bordeaux, or Amm. Sol. Cop. Carbonate, though usually the four or five sprayings with Bordeaux are sufficient.

**HOLLYHOCK.**

**Rust.** Appears as small, compact, reddish-brown outbreaks on leaves and stems. After their death in fall, cut off the plants close to the ground, carefully gather up these and any rubbish that may contain spores and destroy them. Spraying with Bordeaux is recommended by some as helpful in checking the rust; begin as plants push through the ground.

**MAPLE.**

**Maple Borer.** Larva tunnels in spiral course upward around trunk or larger branches of sugar maple, working in sapwood and cambium, often girdling the trees. Examine trees in September for sawdust. Find the burrow, inject carbon disulphide and plug the opening.

**Woolly Maple Leaf Scale.** Cottony or woolly masses of wax, containing the females, eggs and sometimes larvae, appear on the under side of the leaves in midsummer; insects suck out the sap, causing leaves to fall prematurely. Males and larvae enter crevices of bark of trunk and branches; larvae make cases here and pass the winter. Attacks only sugar maples. Spray dormant trees with nicotine solution and soap. Burn all infested leaves.

**Cottony Maple Scale.** Large, oval, brown, soft scales on bark of branches of silver and red maples. Each scale in early summer develops a large cotton-like tuft of wax nearly half an inch long, and soon after the young appear. Spray with miscible oils when dormant.

**MUSK MELON.**

**Melon Aphid.** Sucks the sap from the under side of the leaves and, when abundant, causes much damage. Under-spray the leaves with nicotine solution.

**Striped Cucumber Beetle.** See Cucumber.

**NASTURTIUM.**

**Aphid.** Brown aphids cluster on stems and leaves, sucking the sap. Spray with nicotine solution.

**ONION.**

**Trips or "White Blast."** Very small insects which feed upon the surface of the leaves, giving the field a whitish appearance. Burn all tops and refuse; burn over the grass land around the field to kill over-wintering insects. Spray with nicotine solution or kerosene emulsion.

**PEA.**

**Green Pea Aphid.** Attacks the plants early in June and sucks the sap from the leaves and stems, often causing great injury. Early peas may mature a crop before aphid injures them. Spray vines with nicotine solution and soap. Brush the vines just before cultivating.



## PEACH.

**Peach Saw Fly.** Larvae feed upon leaves in June and July. Spray with lead arsenate.

**Peach Borer.** Larvae tunnels in the base of the trunk. Dig out in late fall and early spring. Paint base of trunk with lead arsenate and lime sulphur.

**Fruit Bark Beetle or Shot Hole Borer.** Makes minute tunnels under the bark of branches and trunk. Burn infested trees and keep others thrifty.

**Plum Curculio.** See Plum.

**San Jose Scale.** Minute scale insects, with circular shell, which suck the sap from twigs, fruit and leaves. On fruit a red spot surrounds each insect. Spray dormant trees with lime-sulphur.

**Black and Green Aphids.** Suck the sap from the leaves and shoots. Spray with nicotine solution.

**Brown Rot.** Occurs on the young twigs, etc., but causes most serious injury to the fruit, rotting it at the time of its maturity. The rotten areas usually become covered with numerous pustules of dusty brownish spores eventually the diseased fruit form hard mummies. These carry the fungus over the winter, and if half buried in the soil develop in early spring the mature stage, which causes infection of the blossoms, etc. Certain early varieties, like the Champion, are especially subject to rot. Spraying these apparently pays in this state. See general directions for treatment. This fungus occurs on plums and cherries and less commonly on pears and apples.

**Leaf Curl.** Causes young leaves to become irregularly curled and swollen, and finally to drop off; rarely on the fruit. In April, as soon as the buds begin to swell, spray the trees thoroughly with commercial lime-sulphur, 1-9. If more convenient this may be done in late fall, and is claimed to be just as effective. Same treatment takes care of San Jose scale.

## General Treatment for Peach Orchards.

(1) Spraying of peaches while dormant is of value only in checking San Jose scale, mites and leaf curl. One application of commercial lime-sulphur, 1-9, either in late fall or early spring, will take care of all these troubles at the same time. If the scale and the leaf curl are unusually prevalent both applications will prove of value in controlling them.

(2) For the prevention of scab and rot of peaches it is, as a rule, desirable to give three sprayings, as follows: First, shortly after the blossoms have fallen (May 15th to May 25th); second, about three or four weeks later (June 5th to June 15th); and, third, about one month later (July 5th to July 15th). If only two sprayings can be given, omit the first if spraying only for rot, and the last if spraying for scab.

(3) On the whole, self-boiled lime-sulphur of the 8-8-50 formula seems to be the safest and most reliable spray. Fair results have been obtained with some of the commercial lime-sulphur, and they are much more easily handled. There is, however, some danger of spray injury, especially with certain brands. If commercial lime-sulphur is used, a strength of not greater than 1-150, without poison, is recommended. Atomic sulphur and sulphur paste have given good results.

(4) As lead arsenate has done little to prevent curculio injury, and as it seems to increase the danger of spray injury, we advise leaving it out unless there is considerable danger of saw-fly injury, when it can be added in the second spraying, the same as for apples.

## PEAR.

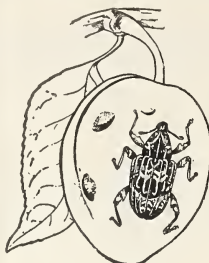
**San Jose Scale.** See Peach.

**Pear Psylla.** Small jumping plant lice, suck sap from leaves and twigs, causing leaves to fall in midsummer. Spray with lime-sulphur in spring just before buds open. Spray infested trees with nicotine solution in July.

**Scab.** Forms olive-black scabby spots on fruit and leaves, often causing the former to become distorted and cracked. The fungus lives over winter on the twigs. Certain varieties are not much injured; others, like Flemish Beauty, are very susceptible. Spray with Bordeaux on unfolding leaves before blossoms open, again after petals fall, and give the third spraying about two weeks later, using weak Bordeaux in last two treatments.

## PLUM.

**Plum Aphids.** Suck sap from the leaves. Spray with kerosene emulsion, nicotine solution or seap and water.



Plum Curculio.

**Plum Curculio.** Grub infests the growing fruit, causing it to fall. Jar the trees each morning for six weeks after blossoming and catch the beetles on sheets and destroy them. Spraying with lead arsenate during the same period is also advised.

**Brown Rot.** Thin fruit so it does not touch. Gather and destroy all mummies after harvest. Rather difficult to control by spraying, as spray does not readily adhere to the smooth fruit. First treatment with self-boiled lime sulphur should be made on half-grown fruit, second 14 days later, and last 10 to 14 days before picking.

## POTATO.

**Flea Beetle.** Small black jumping beetles eat holes through the leaves. Spray heavily both upper and under surfaces with lead arsenate.

**Colorado Beetle.** Adults and larvae devour the leaves. Spray with lead arsenate as soon as injury apparent. May be used in Bordeaux mixture.



Potato Beetle.

**Three-Lined Potato Beetle.** Larvae feed upon the leaves and carry their black excrement on their backs. Spray with lead arsenate.

**Stalk Borer.** Larvae tunnels inside the stalk. Burn infested vines.

**Potato Aphid.** Green aphids appearing in large numbers suck the sap from shoots and stems, causing much damage in 1917 and 1918. Spray with nicotine solution.

**Blight or Downy Mildew.** Causes a sudden blackening of the leaves, and often death to the vines, from July to September, in moist seasons; usually shows a slight whitish growth of fungus on the under side of leaves; rots tubers. Spray with Bordeaux before the trouble appears about July 1st, and keep vines well covered to the end of the season. Three to five

spraying by hand or five to seven by power sprayer are necessary. After last cultivation thoroughly ridge up the rows to help keep the spores from washing down to the tubers. Early varieties often escape blight by maturing before its appearance.

**Scab.** Produces the common scabby appearance on surface of tubers. Soak seed tubers one and one-half hours in formalin (formula B). Formalin fumes are often used when large quantities are treated. Care in filling space sufficiently, however, is necessary to avoid injury by "bitting" from absorption of fumes. Avoid planting on infected land by systematic rotation. The use of lime, wood ashes, and various barnyard manures will increase the amount of scab. The same trouble occurs on beets and turnips.

## ROSE.

**Rose Slug.** Eats away the green portions of the leaves. Spray with hellebore, lead arsenate or nicotine solution.

**Aphid or Green Fly.** Suck sap from the leaves and stems. Spray with nicotine solution.

**Mildew.** Develops a white powdery or cobweb like growth on the young leaves, which become more or less distorted and fall off. Tea roses especially susceptible. Treat same as for leaf blotch; or dust flowers of sulphur over the leaves; be careful in airing greenhouses.

## SQUASH—PUMPKIN.

**Squash Lady-Beetle.** Both adults and larvae devour the leaves. Spray with lead arsenate.

**Striped Cucumber Beetle.** See Cucumber.

**Squash Bug or "Stink Bug."** a brown bug three-fourths of an inch long sucks the sap from the under side of the leaves, causing them to wilt and die. Spray with kerosene emulsion to kill the young. The old bugs may be trapped by placing boards or shingles on the ground, which should be visited each morning and the bugs killed.



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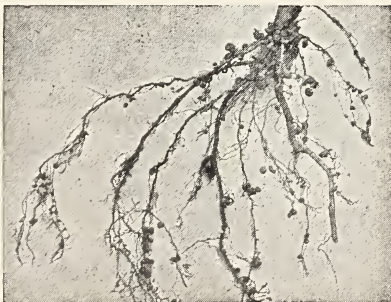


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## THE NITROGEN QUESTION

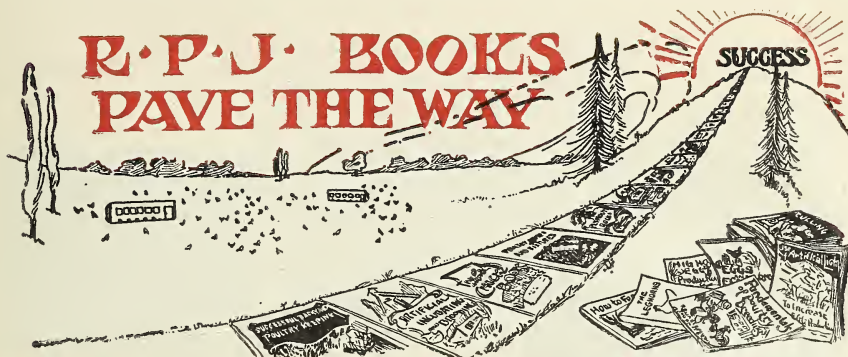
Illustration shows nitrogen sacks on soy bean roots produced by inoculation. Inoculating Bacteria for legumes are pure cultures of virulent nitrogen-fixing germs, bred up through many generations, in the light of the best experience and the best laboratory practice in the world. They cause a more profuse inoculation of the legume and a more vigorous growth. They fix more nitrogen than the crop requires for a normal growth and bumper yield, and this nitrogen remains in the soil so that the crop that follows gets the benefit of it. This is prepared for Alfalfa, Peas, Beans, Clovers, Soy Beans, Cow Peas, Vetch, Canada Field Peas and all legumes. A special culture for each crop. Always state crop to be treated. For prices see page 37.



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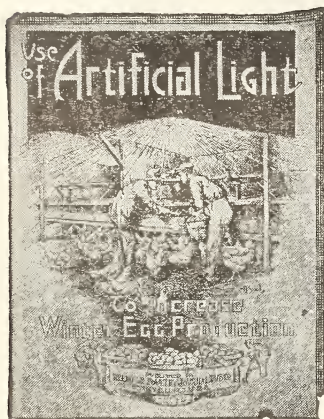
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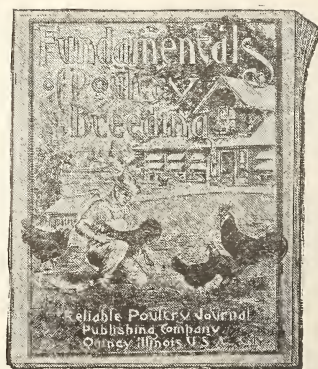
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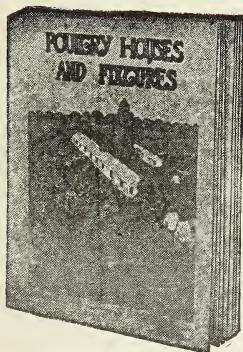
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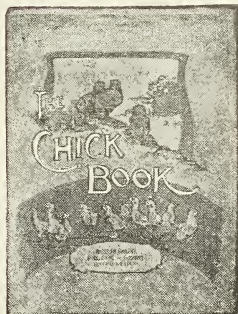
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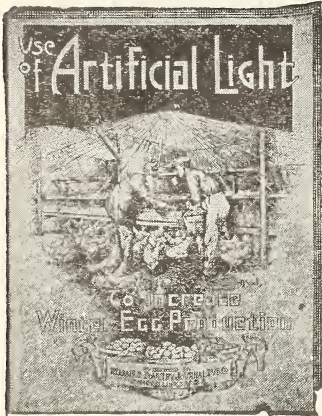
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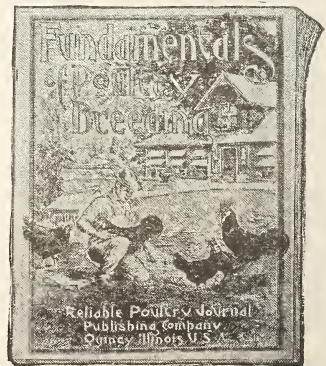
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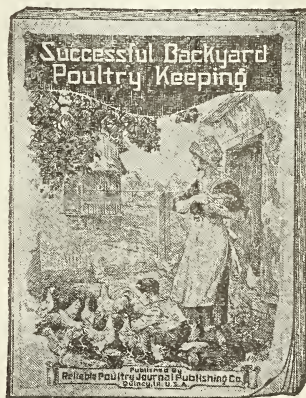
## Successful Back-Yard Poultry Keeping

By HOMER W. JACKSON

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104 Pages, 8½x12 Inches



## Profitable Culling and Selective Flock Breeding

By HOMER W. JACKSON and GRANT M. CURTIS

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You can readily follow the plain and easily understood descriptions of culling methods in this book, which are fully illustrated with several dozen black-and-white and three-color photographic reproductions of live, plucked, and dissected good layers, nonlayers and poor producers. One-fourth to one-half of the hens in the average flock are nonproducers, or practically so, for six months in the year. These "slacker" hens eat up the profits faster than the good layers in the flock can earn them. If you keep poultry for profit, whether you have a commercial or back-yard flock, you cannot afford to feed idle hens. Protect your feed bin and bank account by adopting simple, easily applied culling methods, and keep the egg production of your flock up to or above a 50 per cent yield throughout the laying year.

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## High Egg Production by Individuals, Pens and Flocks

By HOMER W. JACKSON and GRANT M. CURTIS

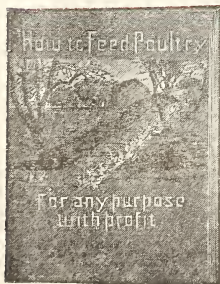
Generally speaking, the foundation on which the commercial poultry industry rests is egg production. Table fowls are chiefly a by-product, and profits, whether in back-yard flocks, on the farm or on commercial poultry plants, depend mainly on egg production. Every up-to-date poultry keeper, therefore, needs to have truly well-rounded knowledge of how to go about getting high egg yields. His campaign must be well planned and must comprehend all the essentials—not merely a single one. The man who depends upon improved conditions without breeding up his flock, and the one who depends upon breeding and ignores other essentials, will each fall behind in the race.

There is just one place where all this needed information can be secured; just one book that covers the whole subject of high egg production in every detail—that tells everything that is known on the subject. That book is "High Egg Production by Individuals, Pens and Flocks." In compiling this book the authors had access to practically all published literature on the subject, and they have had the hearty co-operation of the most expert breeders in the United States, both experiment station workers and practical poultrymen. As a result, there has never been a book published on this subject that could approach "High Egg Production" in its completeness and authoritativeness.

Size of book, 8½ by 12 inches, 128 pages, profusely illustrated, including two three-color charts. Art cover by Sewell. Price \$1.50, postpaid.

## How to Feed Poultry for Any Purpose with Profit

By JOHN H. ROBINSON



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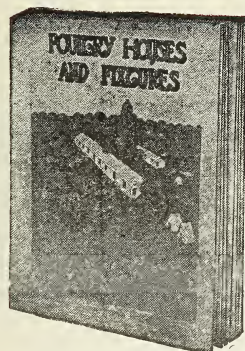
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Edited by HOMER W. JACKSON

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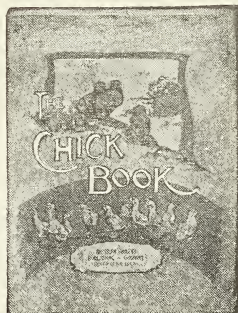
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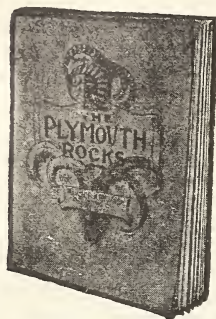
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**J. W. Crossfield, Acme Poultry Farm, Little Falls, Minn.**—"I am in receipt of 'Profitable Culling and Selective Flock Breeding,' and will say that it is the best book on poultry I ever read. It is invaluable to any breeder. The illustrations are a splendid help. I have bought many books on poultry which are good as far as they go, but this one stands pre-eminent and is in a class by itself."

**Prof. E. F. Grundhofer, Dept. of Engineering, State College, Pa.**—"I spent all last evening reading 'Profitable Culling and Selective Flock Breeding,' and find it a veritable lexicon of select information. It is as interesting to read as a good novel."

**J. P. Jordan, Vice-President, C. E. Knoeppel & Co., Inc., New York City, N. Y.**—"The book on 'Use of Artificial Light to Increase Winter Egg Production' has arrived, and I wish to compliment you highly on the way in which you have presented this matter. I believe this book will be of great value."

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Seeds or Plants Required for 100 Feet of Row.			Depth of Planting.	Seeds or Plants Required for 100 Feet of Row.			Depth of Planting.
Asparagus, seed	1 ounce		1 to 2 in.	Leek	½ ounce.		1 in.
Asparagus, plants	60 to 80 plants		3 to 5 in.	Lettuce	½ ounce		½ in.
Beans, bush	1 pint		1 to 2 in.	Melon, musk melon	½ ounce.		1 in.
Beans, pole	½ pint		1 to 2 in.	Melon, watermelon	1 ounce		1 to 2 in.
Beets	1 ounce		1 in.	Mustard	¼ ounce.		¼ in.
Brussels Sprouts	¼ ounce		½ in.	New Zealand Spinach	1 ounce.		1 to 2 in.
Cabbage, early	¼ ounce		½ in.	Okra, or Gumbo	2 ounces		1 to 2 in.
Cabbage, late	¼ ounce		½ in.	Onion, seed	1 ounce		½ to 1 in
Carrot	½ ounce		½ in.	Onion, sets	1 qt. of sets		1 to 2 in.
Cauliflower	¼ ounce		½ in.	Parsley	¼ ounce		⅛ in.
Celeriac	¼ ounce		⅞ in.	Parsnip	½ ounce		½ to 1 in
Celery	¼ ounce		⅞ in.	Peas	1 to 2 pints		2 to 3 in.
Chicory	¼ ounce		½ in.	Pepper	⅞ ounce.		½ in.
Citron	1 ounce		1 to 2 in.	Potato, Irish	5 lbs.		4 in.
Collards	¼ ounce		½ in.	Potato, sweet	75 slips		3 in.
Corn Salad	2 ounces		½ to 1 in.	Pumpkin	½ ounce		1 to 2 in.
Corn, sweet	¼ pint		1 to 2 in.	Radish	1 ounce		½ to 1 in.
Cress, upland	½ ounce		½ to 1 in.	Rhubarb, seed	½ ounce		½ to 1 in.
Cucumber	½ ounce.		1 in.	Rutabaga	¼ ounce		½ to 1 in.
Dandelion	¼ ounce		½ in.	Salsify	1 ounce		½ to 1 in.
Egg Plant	1/3 ounce		½ in.	Spinach	1 ounce		1 in.
Endive	1 ounce		½ in.	Squash, bush	½ ounce		1 to 2 in.
Horseradish	70 roots		3 to 4 in.	Tomato	⅞ ounce		½ to 1 in.
Kale, or Borecole	¼ ounce		½ in.	Turnip	½ ounce		¼ to ½ in.
Kohlrabi	¼ ounce		½ in.				

A Table Showing the Number of Pounds per Bushel, Quantity Usually Sown per Acre.

Lbs. per bushel.		Quantity usually sown per acre.	Lbs. per bushel.		Quantity usually sown per acre.
Barley, broadcast	48	2 to 3 bush.	Melon, Water, in hills		3 to 4 lbs.
Beans, dwarf, in hills	60	1½ bush.	Millet, broadcast	48	½ to ¾ bush.
Beans, pole, in hills	60	10 to 12 qts.	Millet, Japanese	32	20 lbs.
Beans, Soja, in drills	60	½ bush.	Oats, broadcast	32	2½ to 3 bush.
Beets, in drills		5 to 6 lbs.	Onion, in drills		5 to 6 lbs.
Beets, in drills, Mangel Wurtzel		4 to 5 lbs.	Onion, for sets, in drills		30 lbs.
Broom Corn, in hills	32	2 to 5 lbs.	Onion Sets, in drills		8 to 12 bush.
Buckwheat	48	1 bush.	Parsnip, in drills		4 to 6 lbs.
Cabbage, in beds, to transplant.	50	¼-lb.	Peas, Green Wrinkled	56	1¼ to 1½ bush.
Carrots in drills		3 to 4 lbs.	Peas, Cow	60	2 bush.
Clover, red	60	15 to 20 lbs.	Peas, Round hard, in drills	60	1½ bush.
Clover, white	60	12 to 15 lbs.	Peas, broadcast	60	3 bush.
Clover, Alsike	60	10 lbs.	Potatoes, cut tubers	60	9 to 12 bush.
Clover, Lucerne or Alfalfa	60	20 lbs.	Pumpkin, in hills		4 to 6 lbs.
Corn, in hills	56	8 to 12 qts.	Radish, in drills		8 to 10 lbs.
Corn, for soiling	56	3 to 4 bush.	Rape, Dwarf Essex	50	5 to 10 lbs.
Cucumber, in hills		2 lbs.	Rye, Spring, broadcast	56	1½ to 2 bush.
Flax, broadcast	56	1 bush.	Rye, Fall, broadcast	56	1½ to 2 bush.
Grass, Kentucky Blue	14	2 bush.	Sage, in drills		6 to 8 lbs.
Grass, Kentucky Blue, Fancy..	25	¾ to 1 bush.	Salsify, in drills		8 to 10 lbs.
Grass, Orchard	14	3 bush.	Spelt, Emmer	40	1½ to 2 bush.
Grass, English Rye	20	2 bush.	Spinach, in drills		10 to 15 lbs.
Grass, Sweet Vernal	12	1½ bush.	Squash (bush varieties), in hills		4 to 6 lbs.
Grass, Red Top, Chaff	14	1 to 2 bush.	Squash (running varieties)		3 to 4 lbs.
Grass, Red Top, Recleaned			Sudan Grass, in drills		20 lbs.
Fancy	35	½ to ¾ bush.	Sudan Grass, broadcast		6 to 8 lbs.
Grass, Rhode Island Bent	12	1 to 2 bush.	Sugar Cane		2 to 5 lbs.
Grass, Timothy or Herd's Grass	45	½ bush.	Tomato, to transplant		¼-lb.
Grass, Hungarian	48	½ to ¾ bush.	Turnip, in drills	50	1½ to 2 lbs.
Grass, Mixed Lawn	20	3 to 4 bush.	Turnip, broadcast	50	¾ to 1½ lbs.
Hemp	40	1½ bush.	Wheat, Spring	60	2 bush.
Kale	50	5 lbs.	Wheat, broadcast, Winter	60	2 bush.
Mustard, broadcast	50	½ bush.	Vetch, Spring	60	2 bush.
Melon, Musk, in hills		2 to 3 lbs.	Vetch, Winter	60	1 bush.

The Number of Plants, Trets, etc., Required to Set an Acre.

Distance.	Number.	Distance.	Number.	Distance.	Number.
1 ft. by 1 ft.	43,560	3 ft. by 3 ft.	4,840	15 ft. by 15 ft.	194
1½ ft. by 1½ ft.	19,360	4 ft. by 4 ft.	2,722	18 ft. by 18 ft.	134
2 ft. by 2 ft.	10,890	5 ft. by 5 ft.	1,742	20 ft. by 20 ft.	105
2½ ft. by 2½ ft.	6,970	6 ft. by 6 ft.	1,210	25 ft. by 25 ft.	70
3 ft. by 1 ft.	14,520	9 ft. by 9 ft.	537	30 ft. by 30 ft.	40
3 ft. by 2 ft.	7,260	12 ft. by 12 ft.	302	40 ft. by 40 ft.	27





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